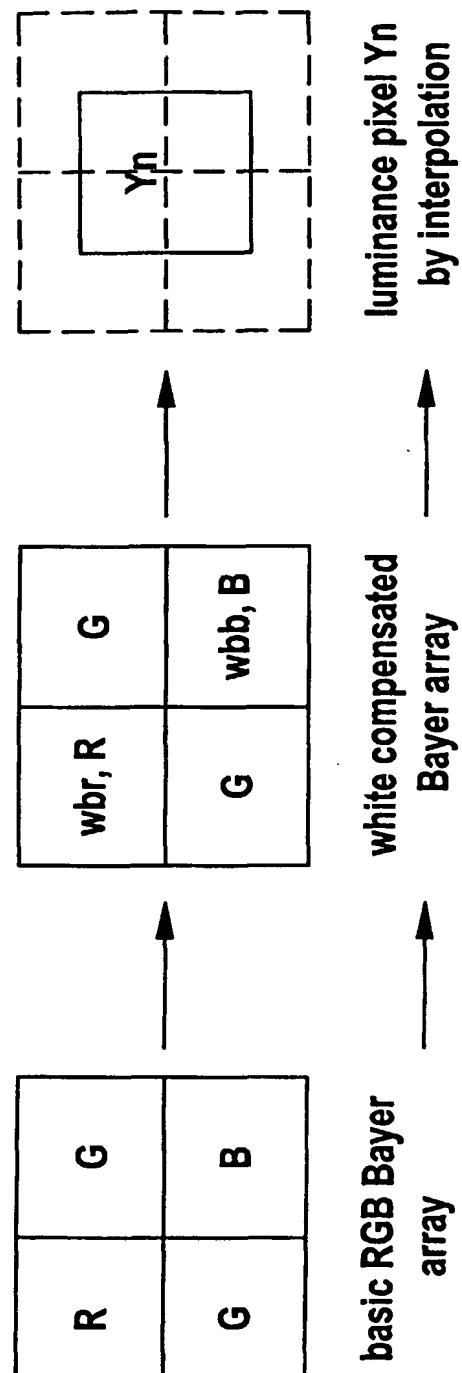
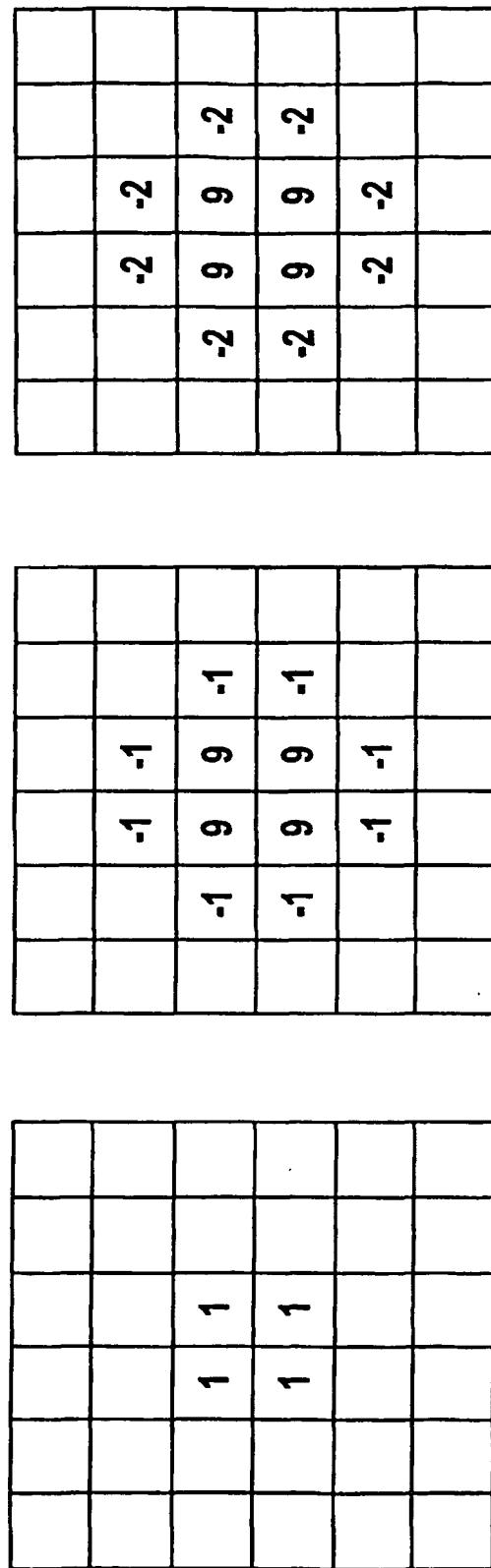


Fig. 2

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**Fig. 3****Fig. 4**

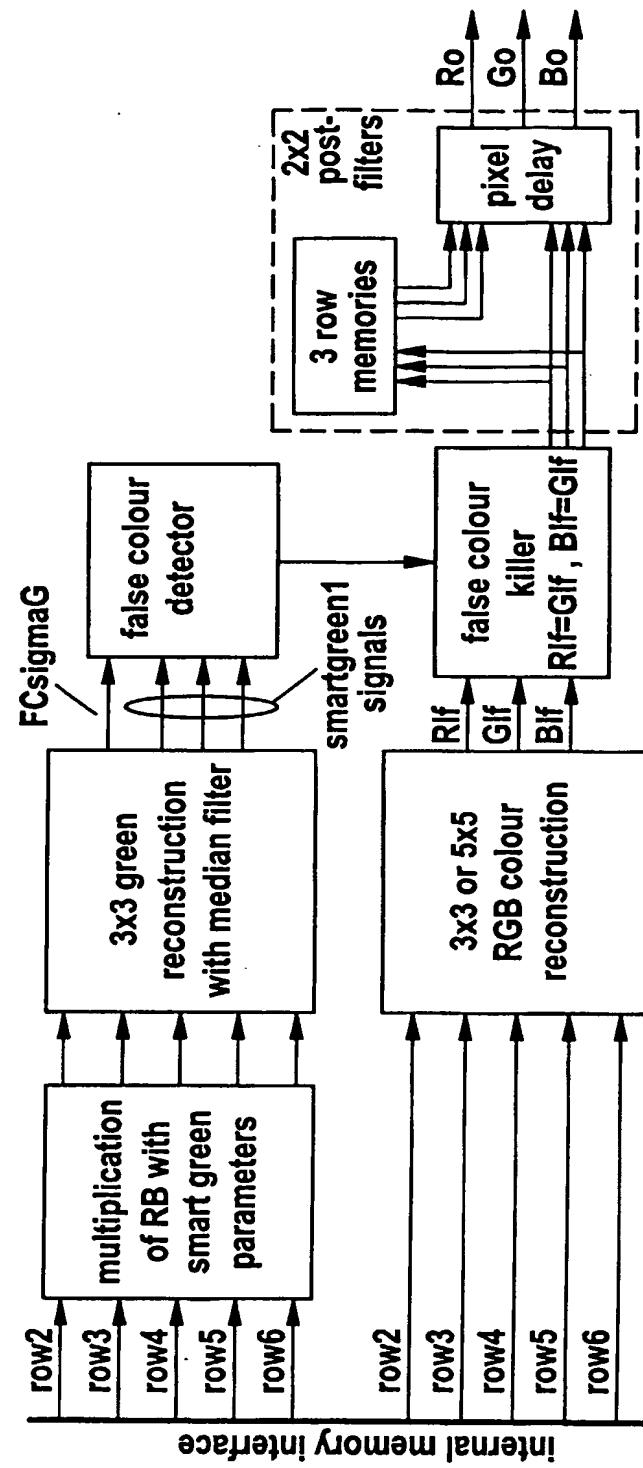
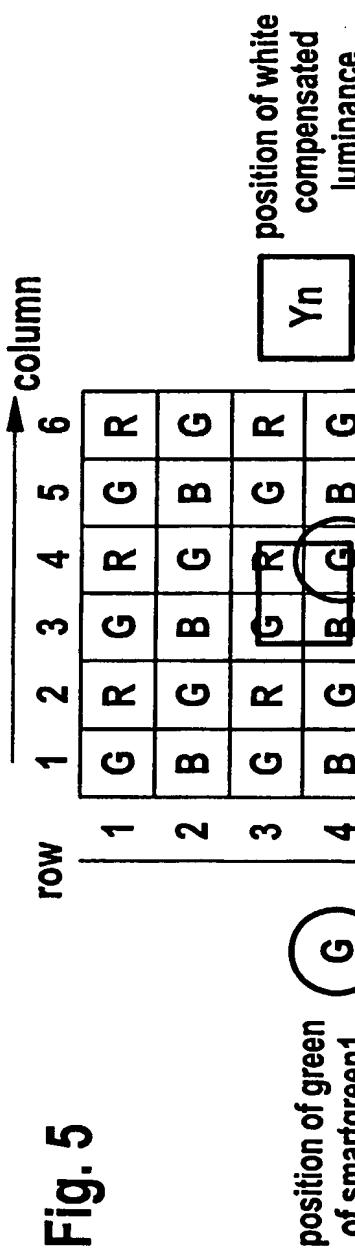


Fig. 7

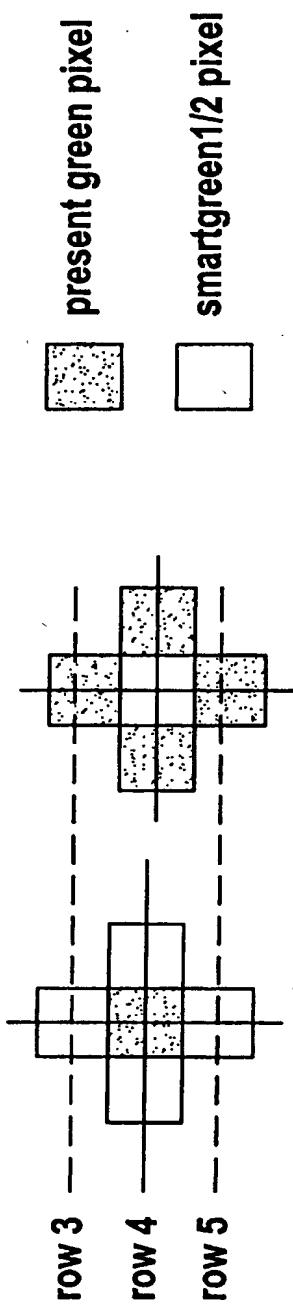
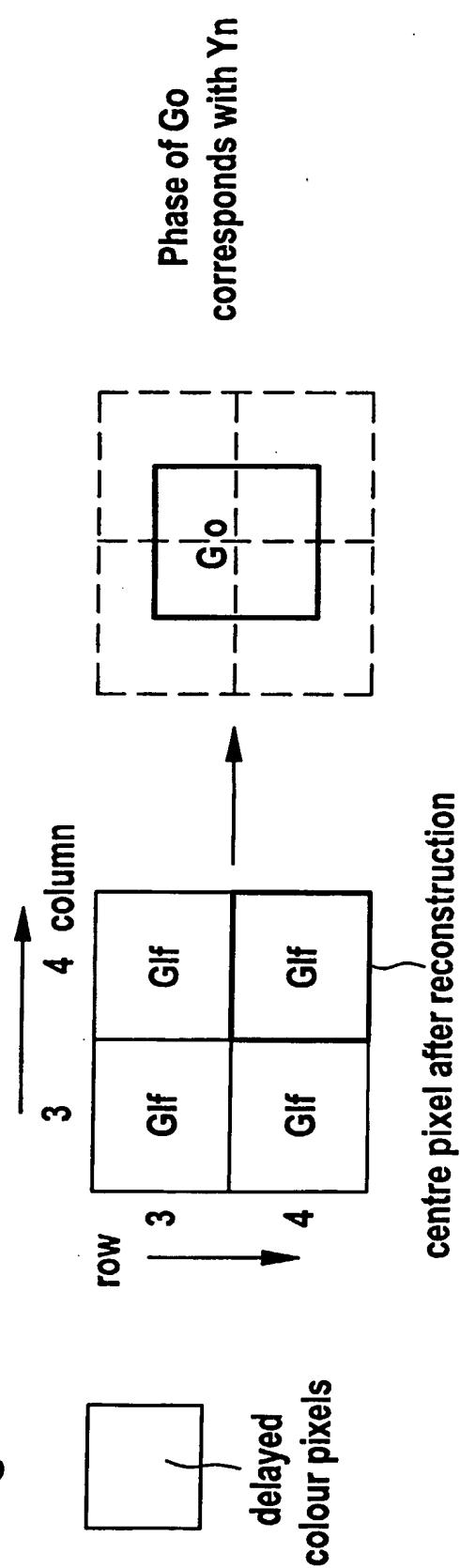


Fig. 8



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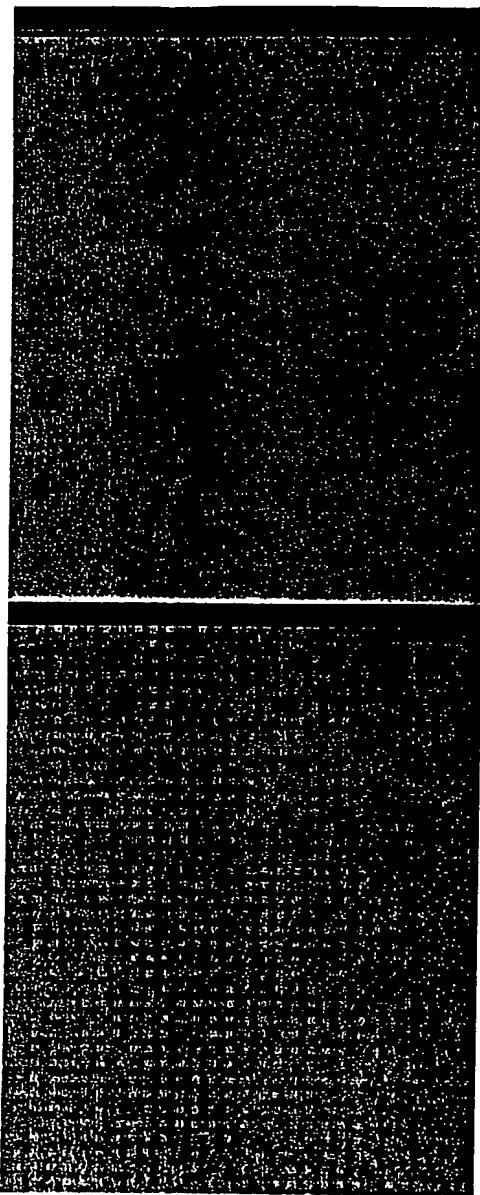


Fig. 9

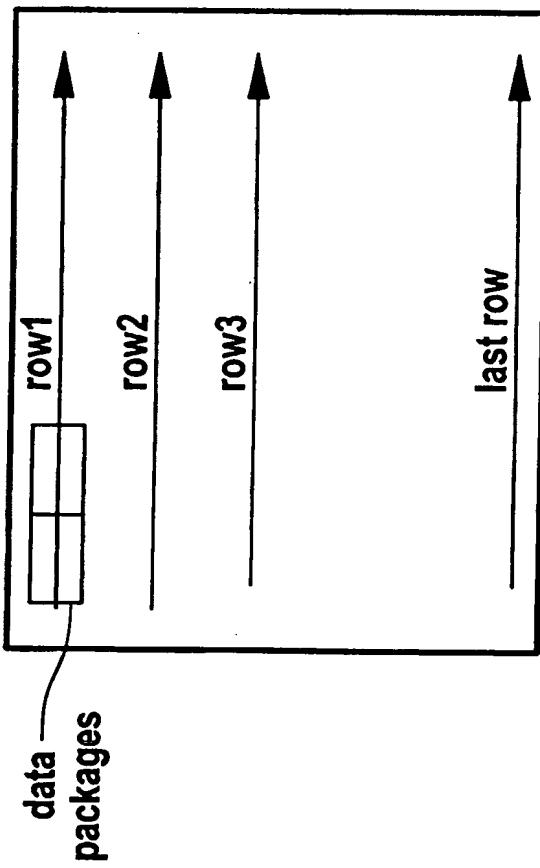
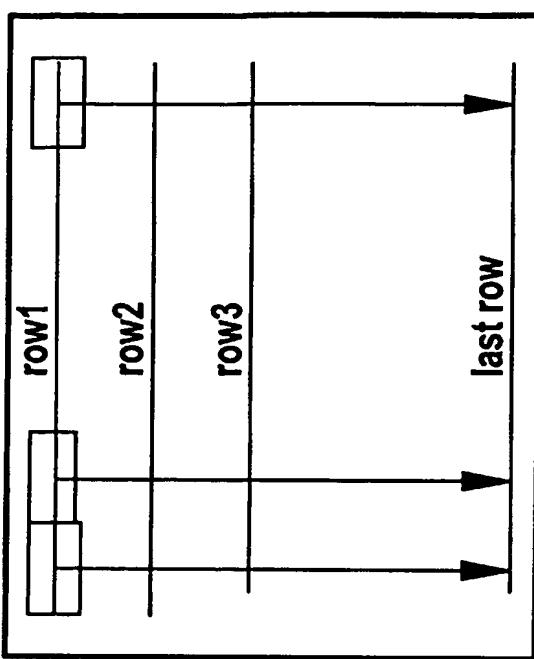


Fig. 10

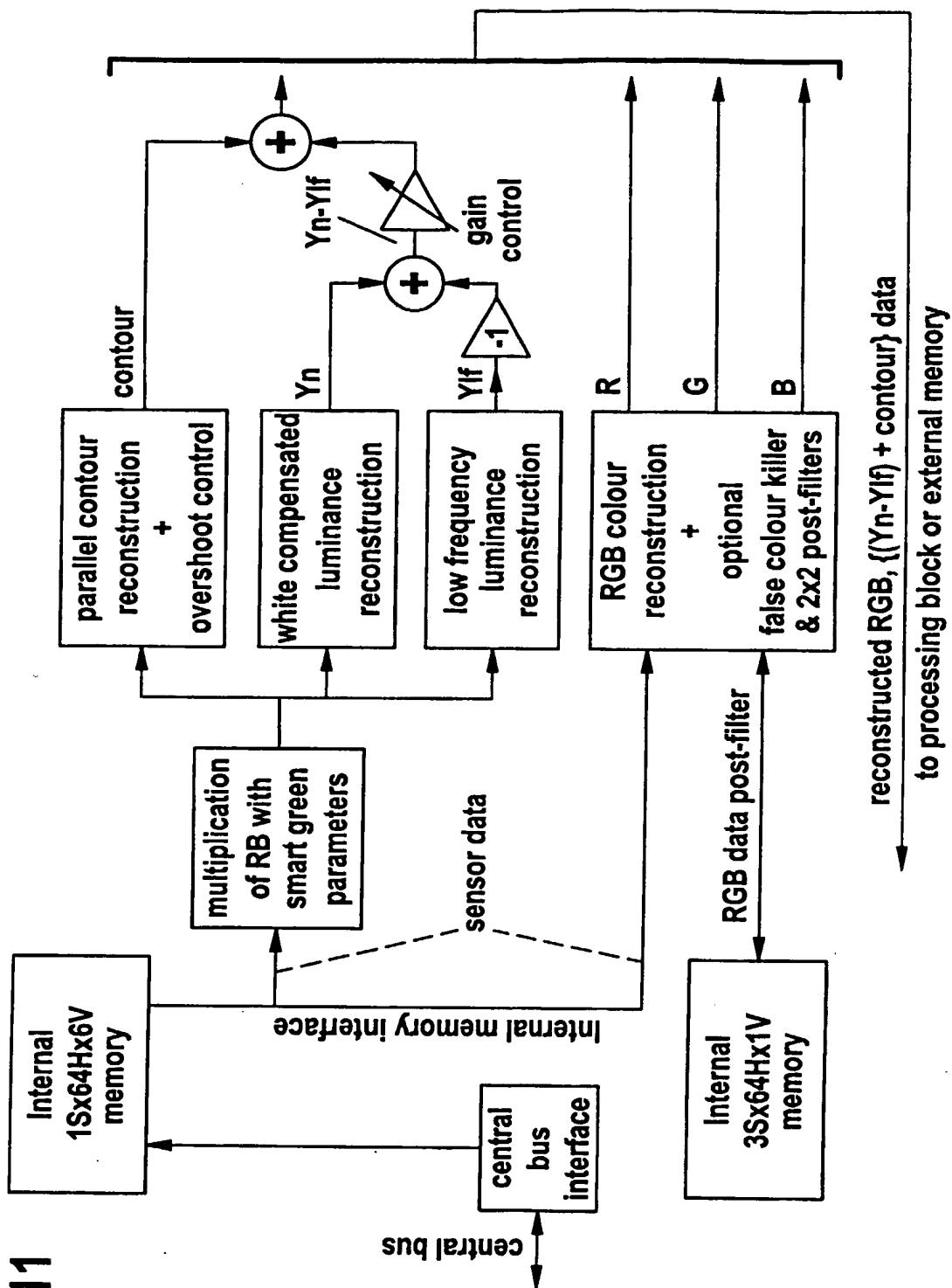


Fig. 11

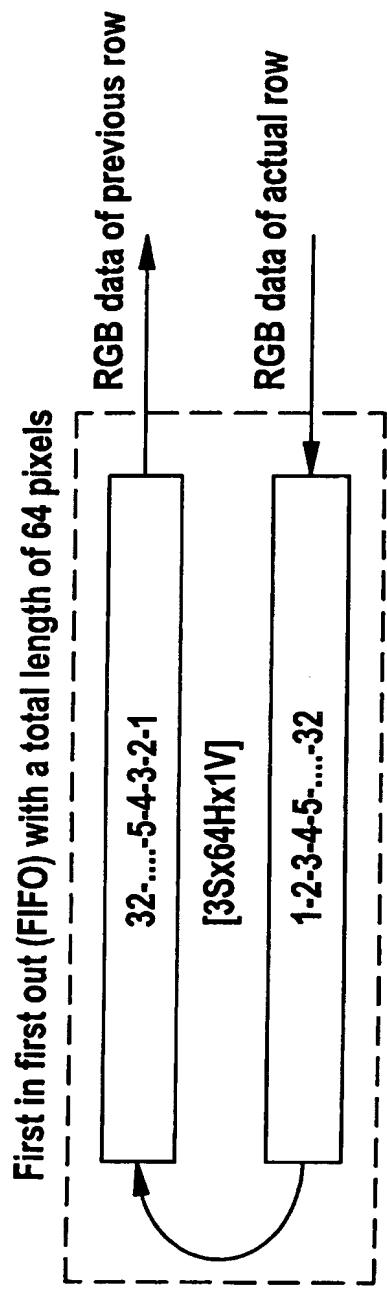


Fig. 12

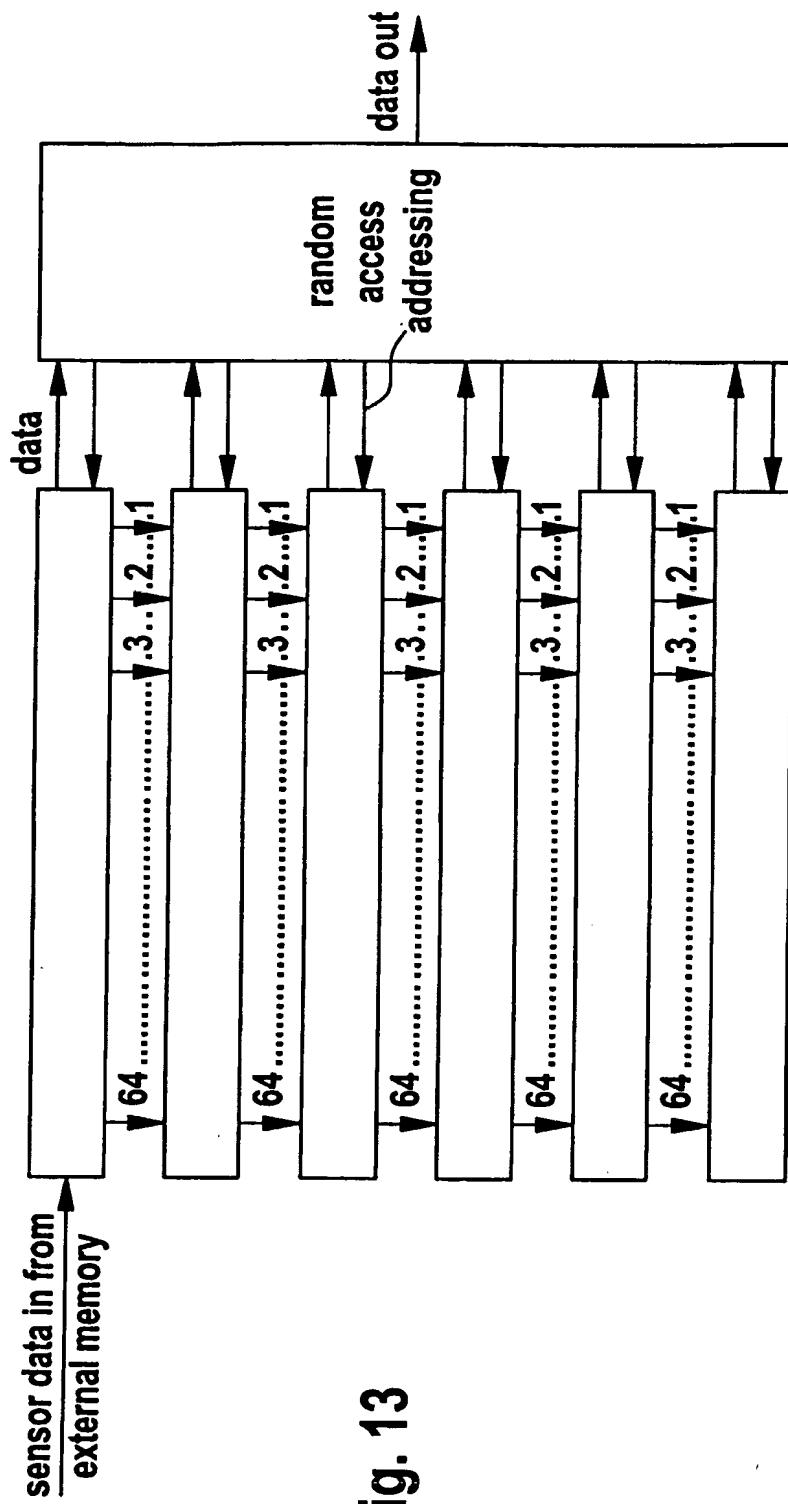


Fig. 13

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Fig. 14

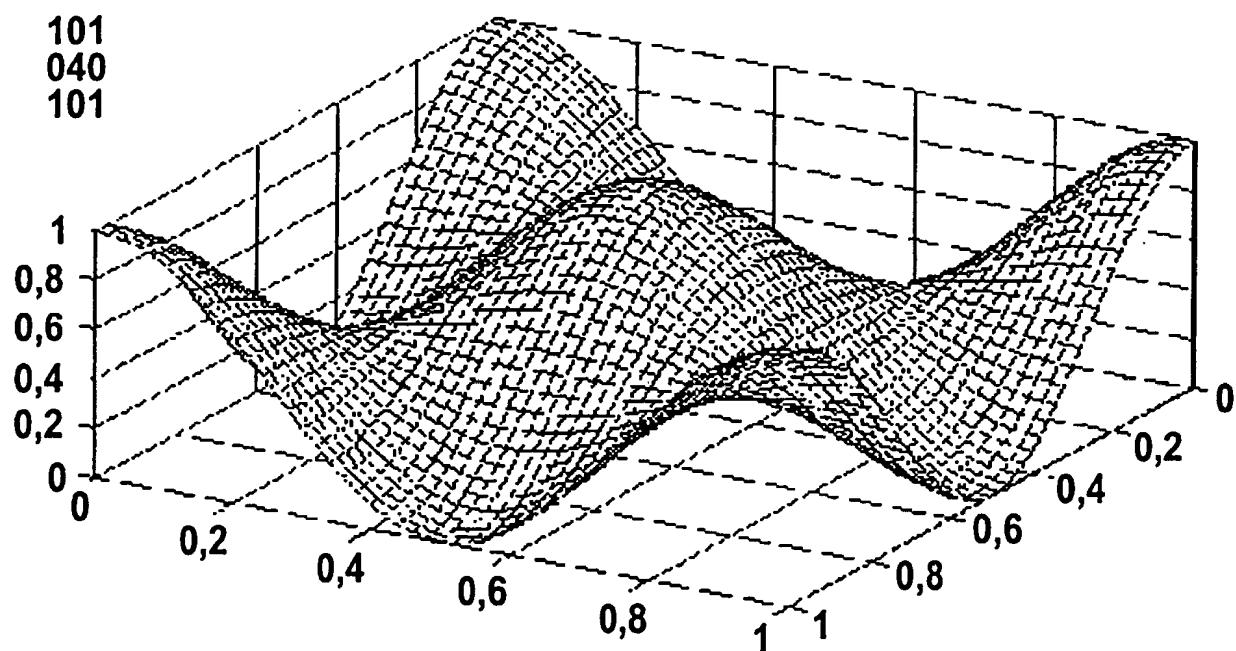
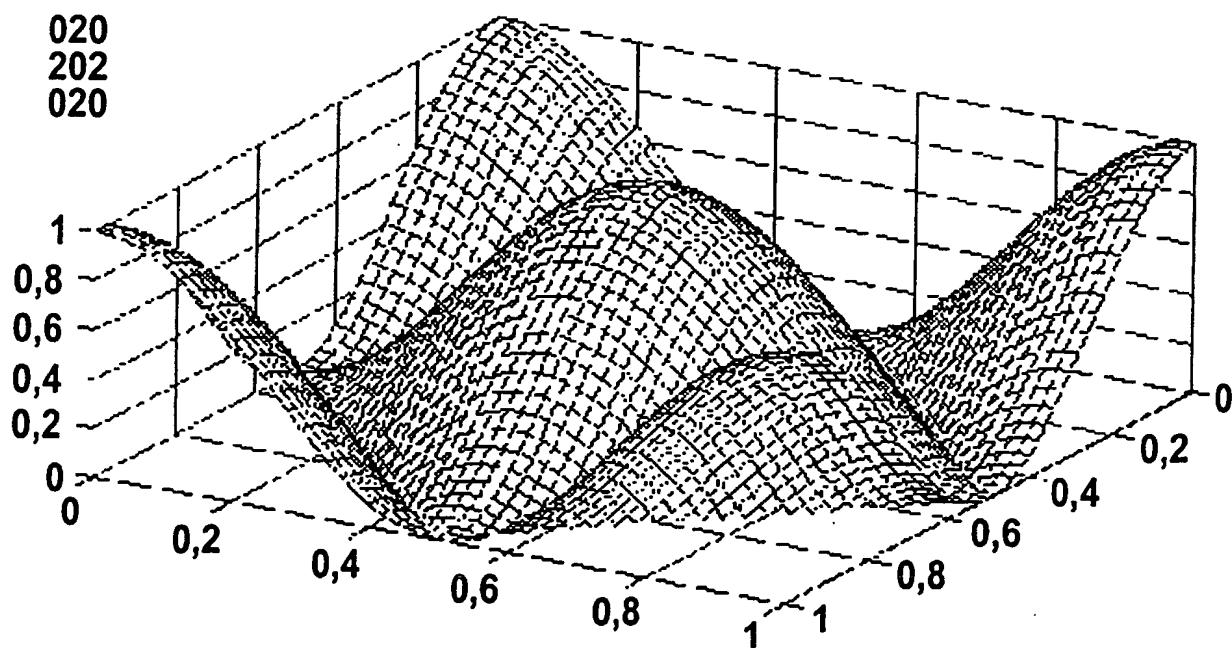
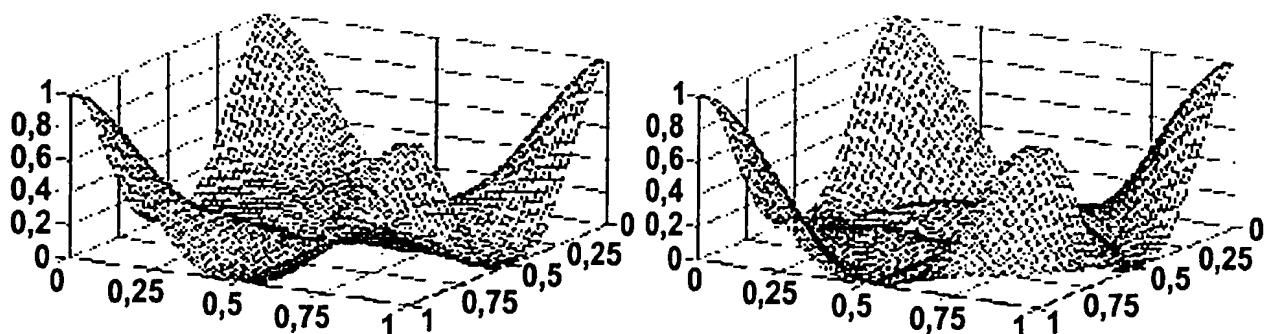


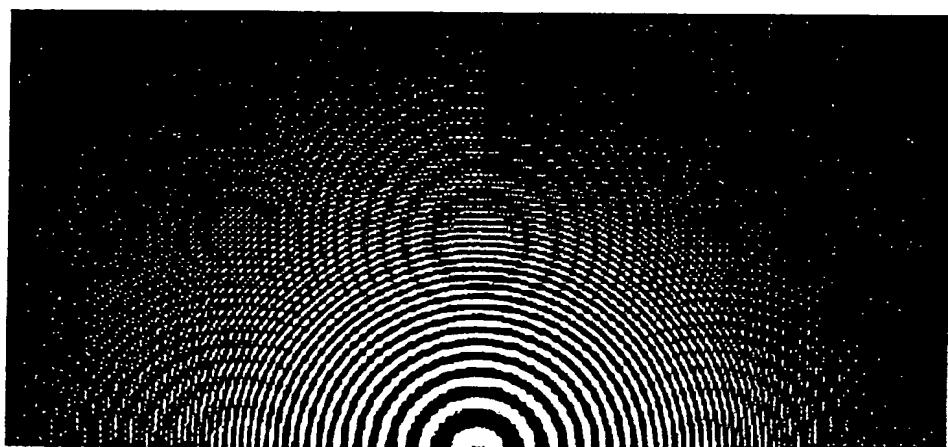
Fig. 15



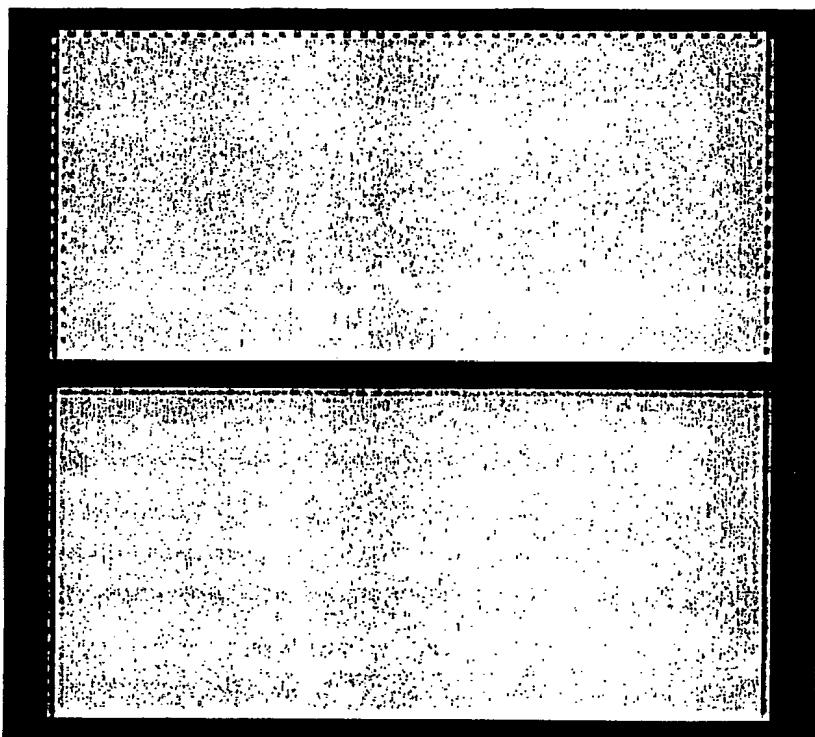
**Fig. 16**



**Fig. 17**



**Fig. 18**



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Fig. 19

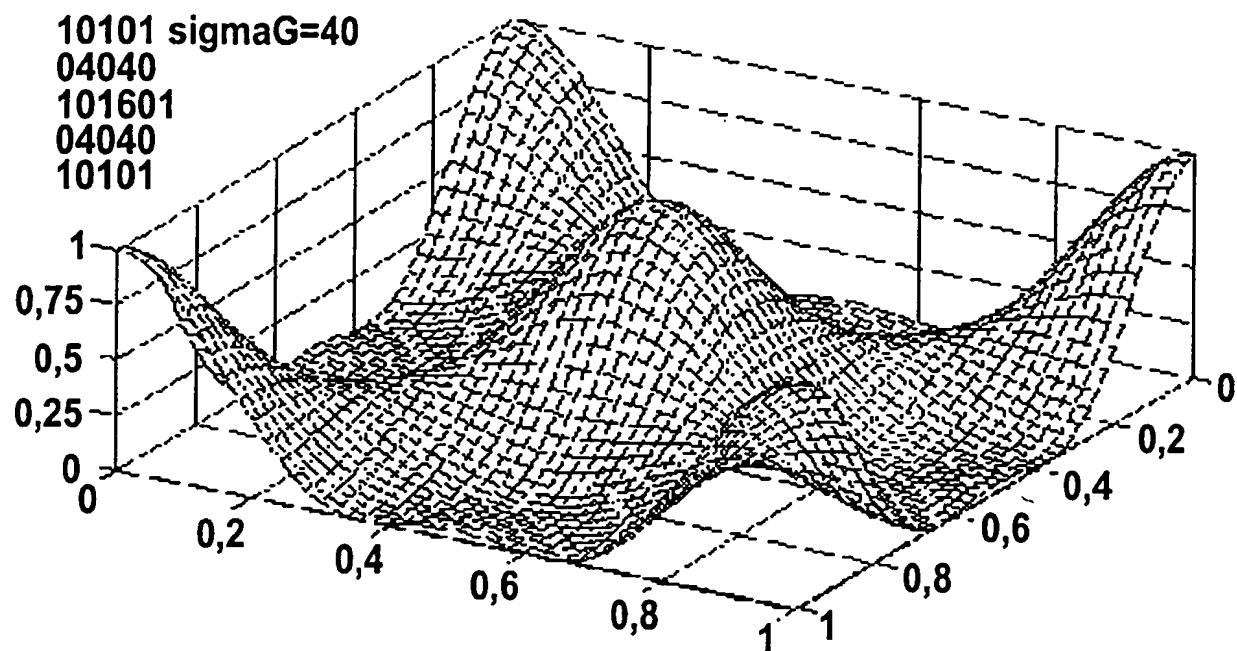
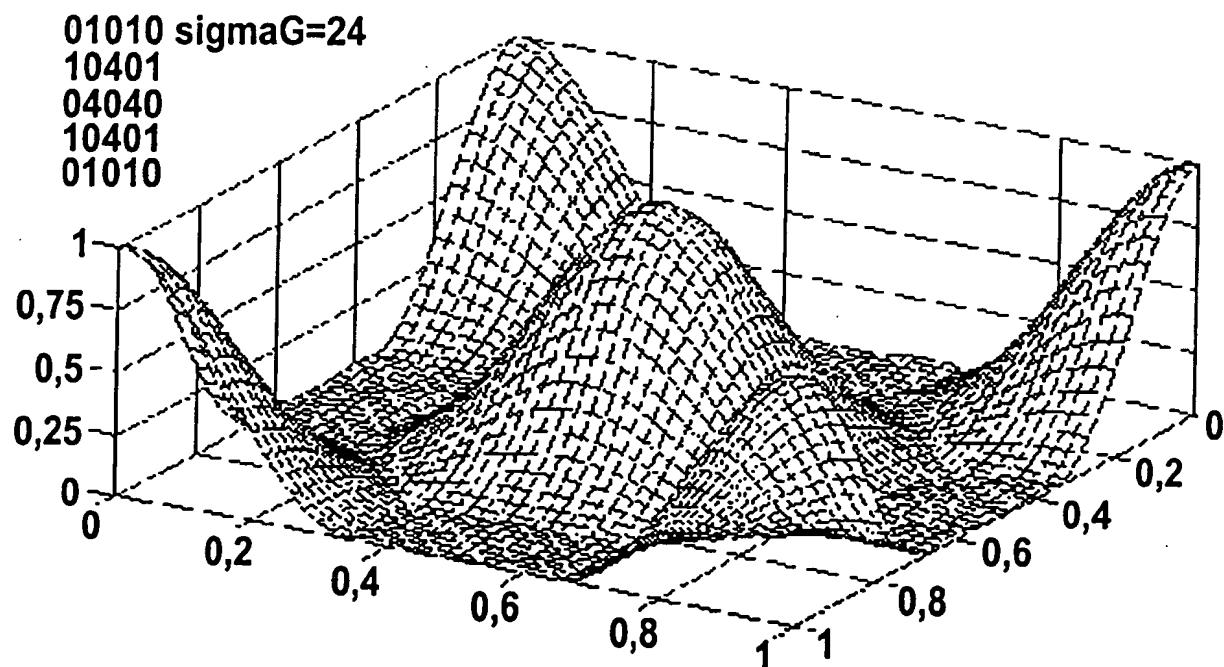
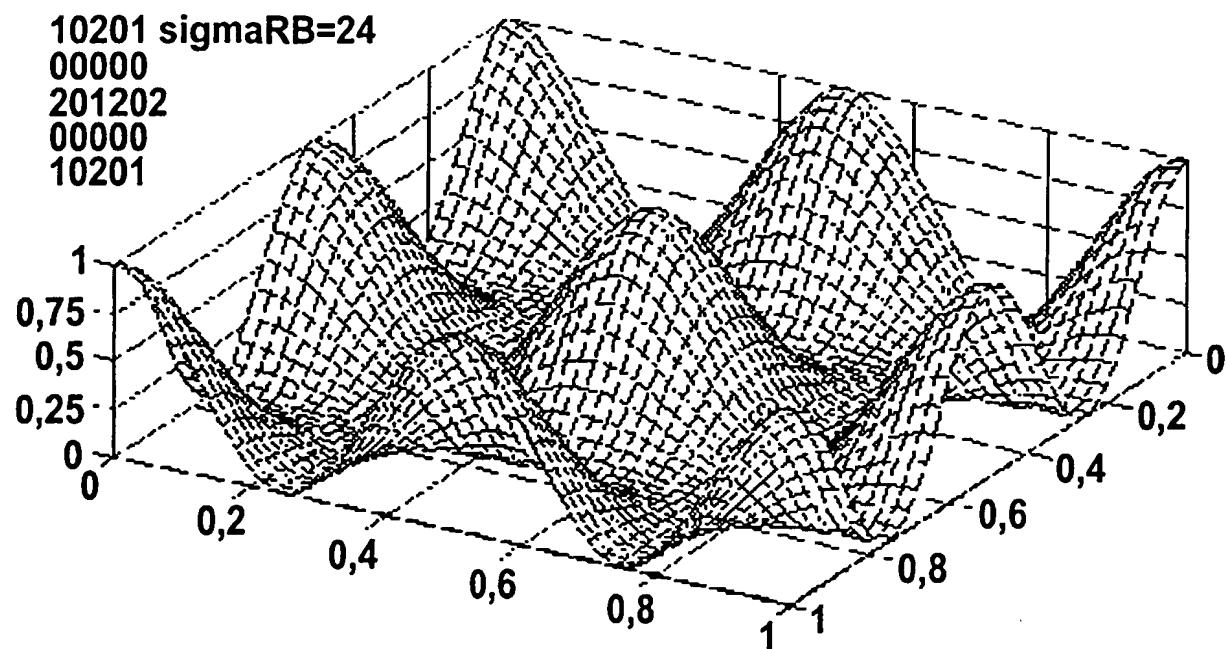
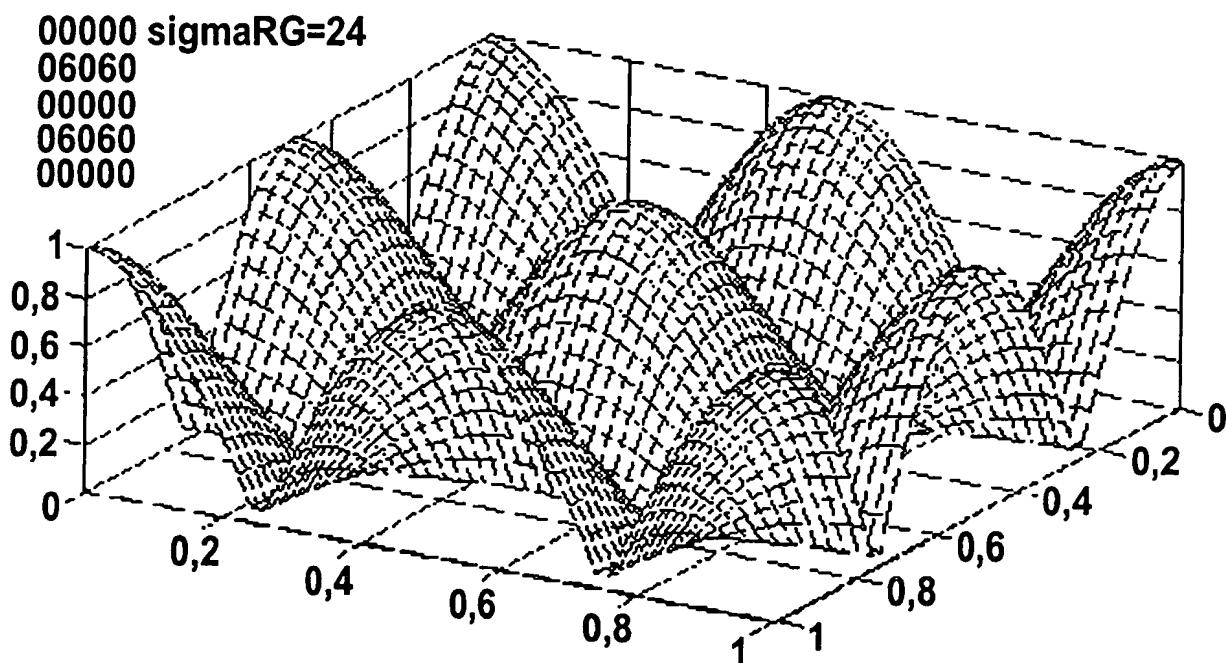


Fig. 20



**Fig. 21****Fig. 22**

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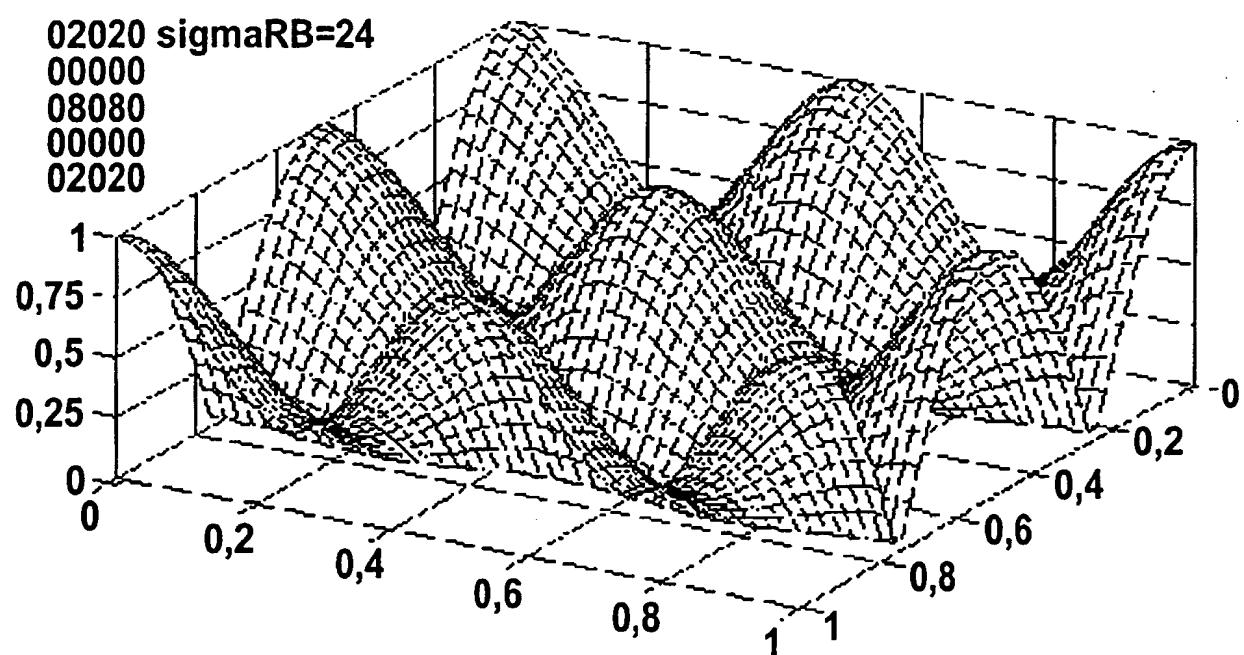
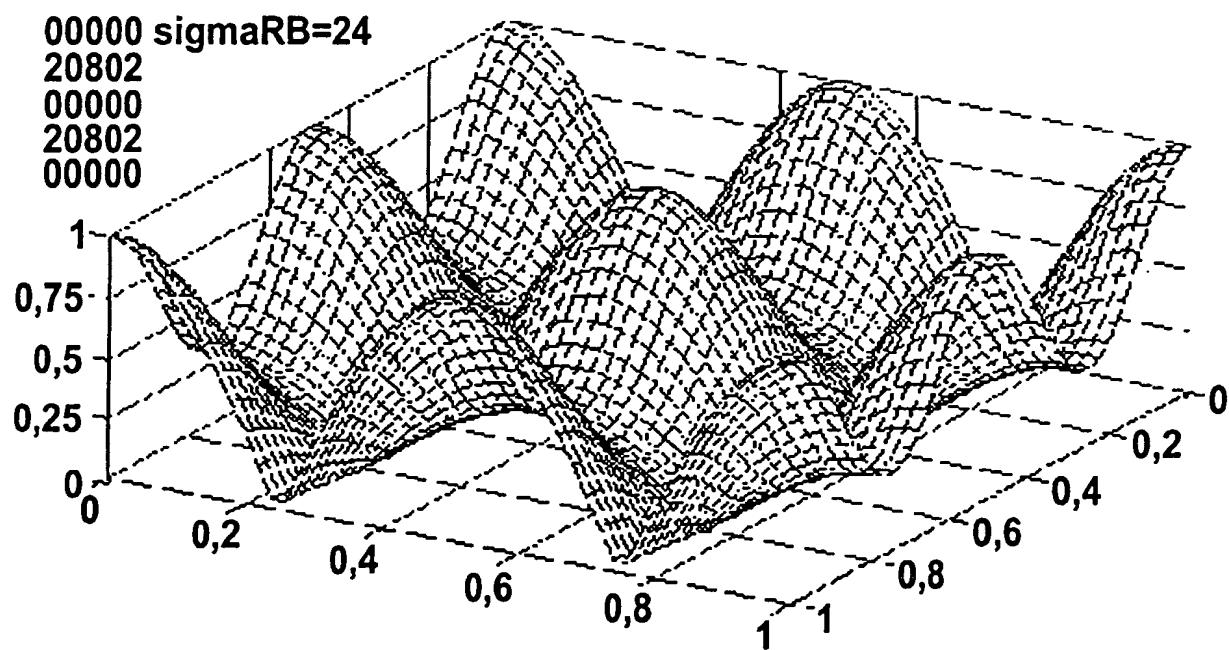
**Fig. 23****Fig. 24**

Fig. 25

Fig. 26

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Fig. 27

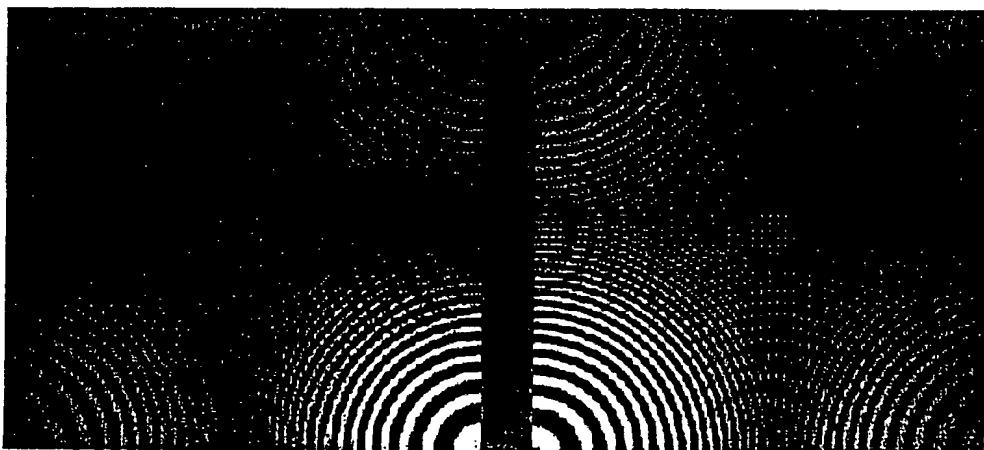
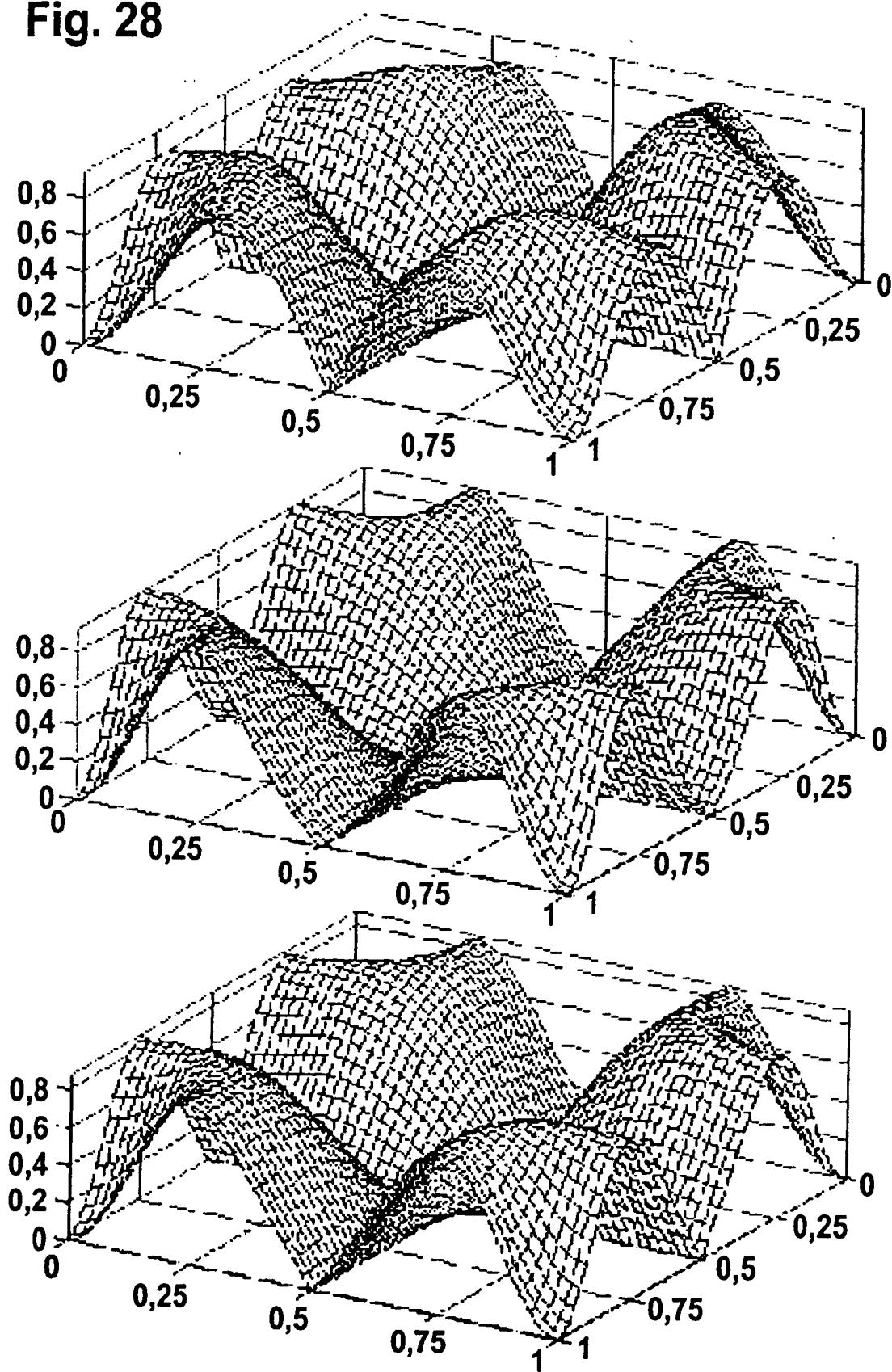


Fig. 28



**Fig. 29**

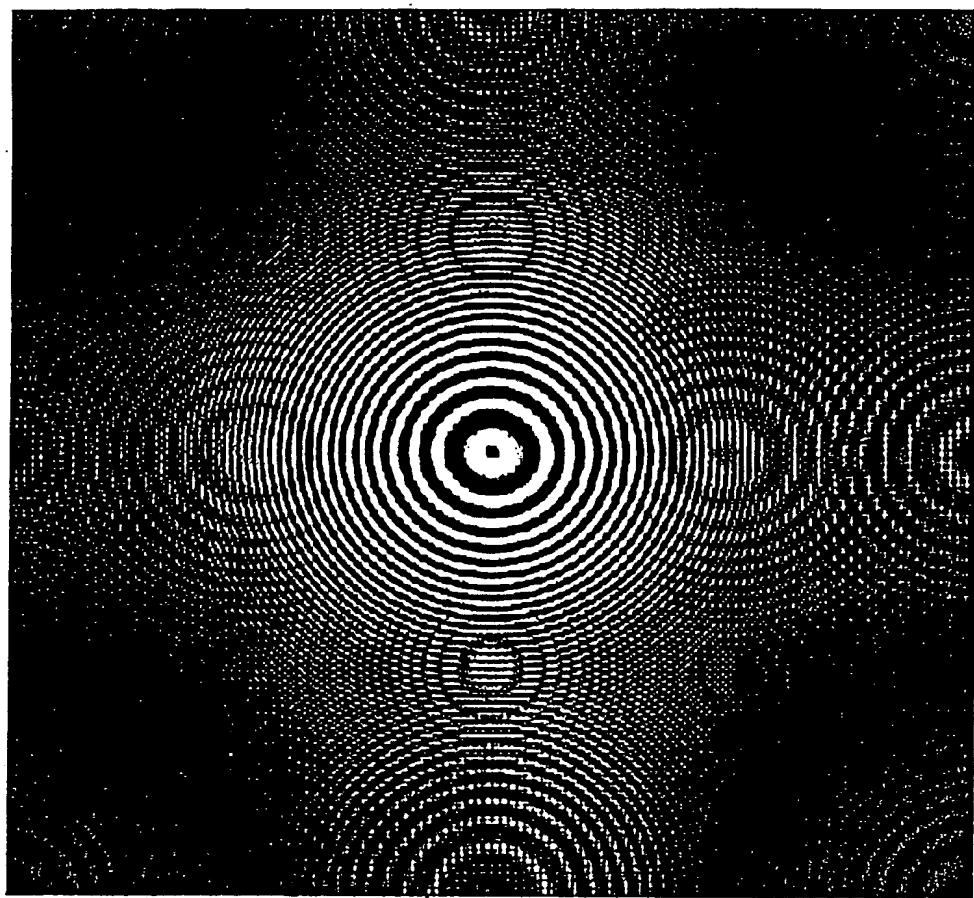
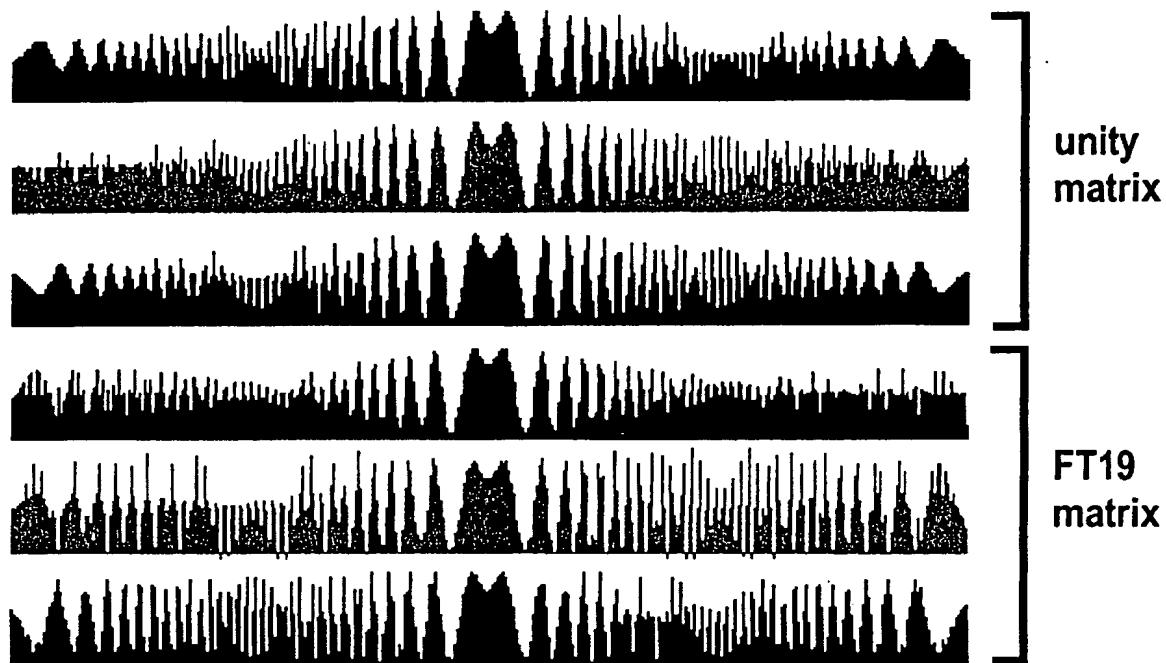


Fig. 30



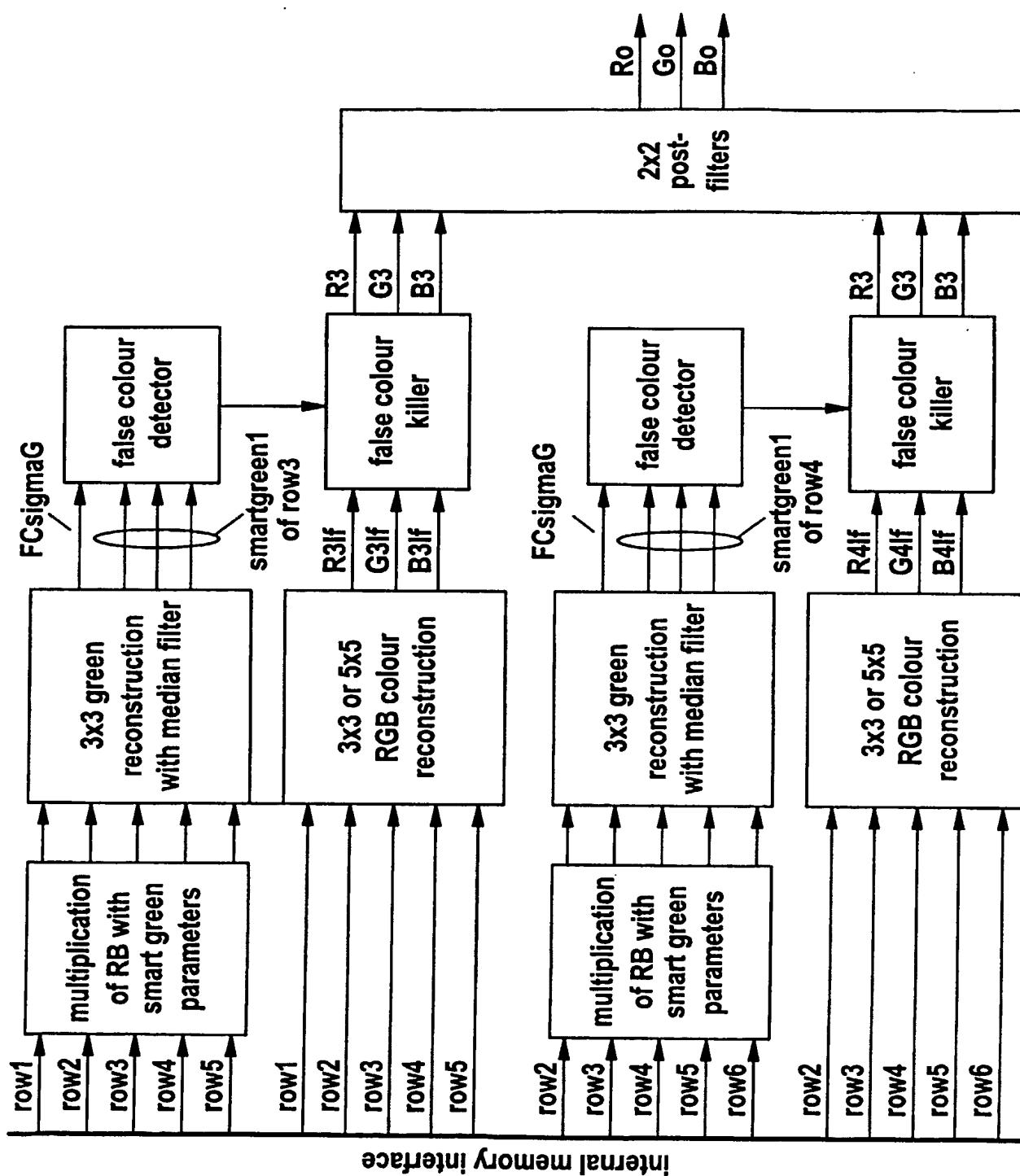


Fig. 31

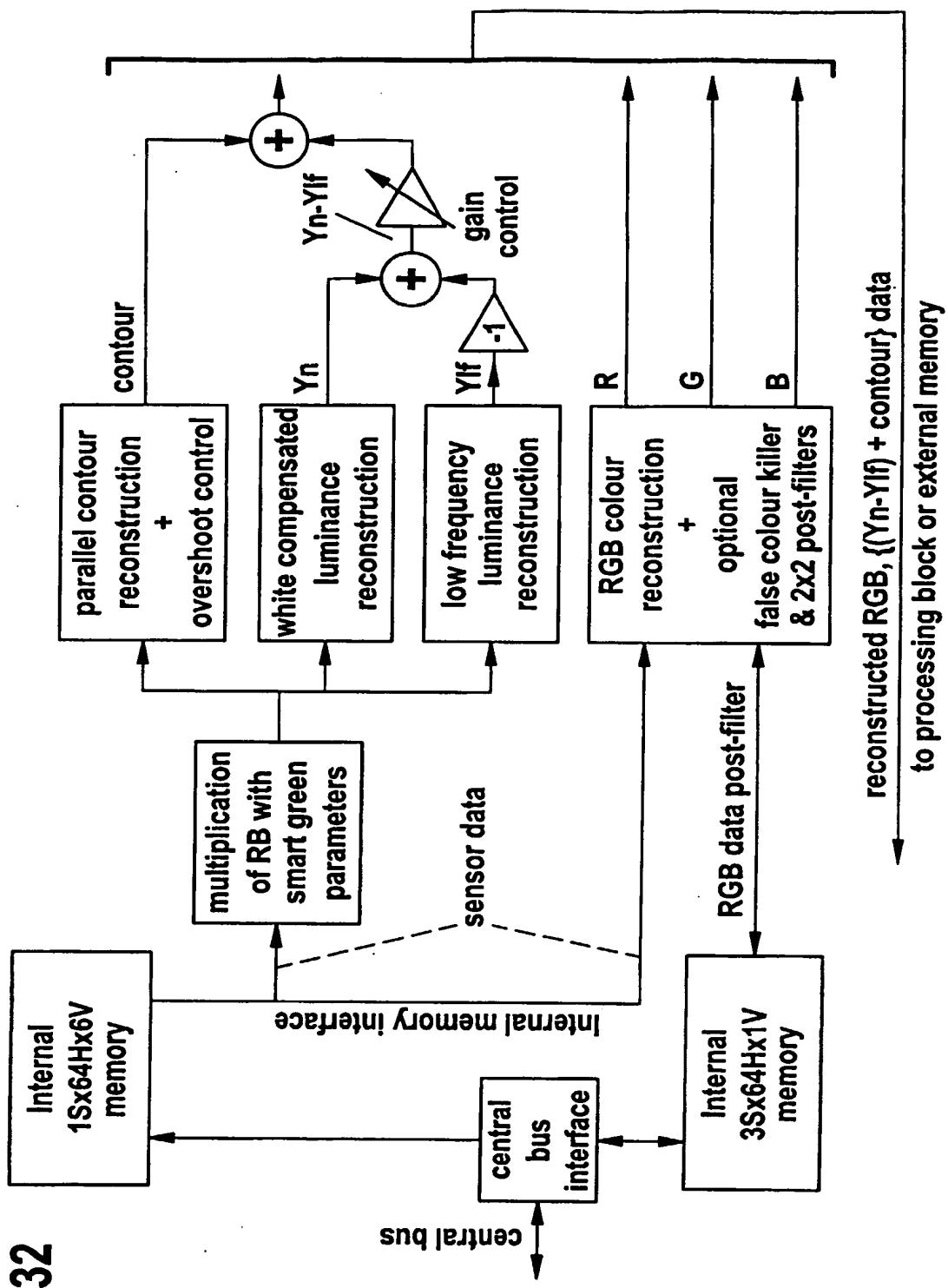


Fig. 32

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Fig. 33

real time G position

G	0	G
0	G	0
G	0	G

G filter weights      G centre value

0	1	0
1	4	1
0	1	0

$$/4=G$$

3D transfer

unity, flat

0	G	0
G	0	G
0	G	0

0	1	0
1	4	1
0	1	0

$$/4=G$$

see figure 59

real time R/B position

0	0	0
0	R/B	0
0	0	0

R/B filter weights      R/B centre value

1	2	1
2	4	2
1	2	1

$$/4=R/B$$

unity, flat

R/B	0	R/B
0	0	0
R/B	0	R/B

1	2	1
2	4	2
1	2	1

$$/4=R/B$$

see figure 61

0	0	0
R/B	0	R/B
0	0	0

1	2	1
2	4	2
1	2	1

$$/4=R/B$$

see figure 62

0	R/B	0
0	0	0
0	R/B	0

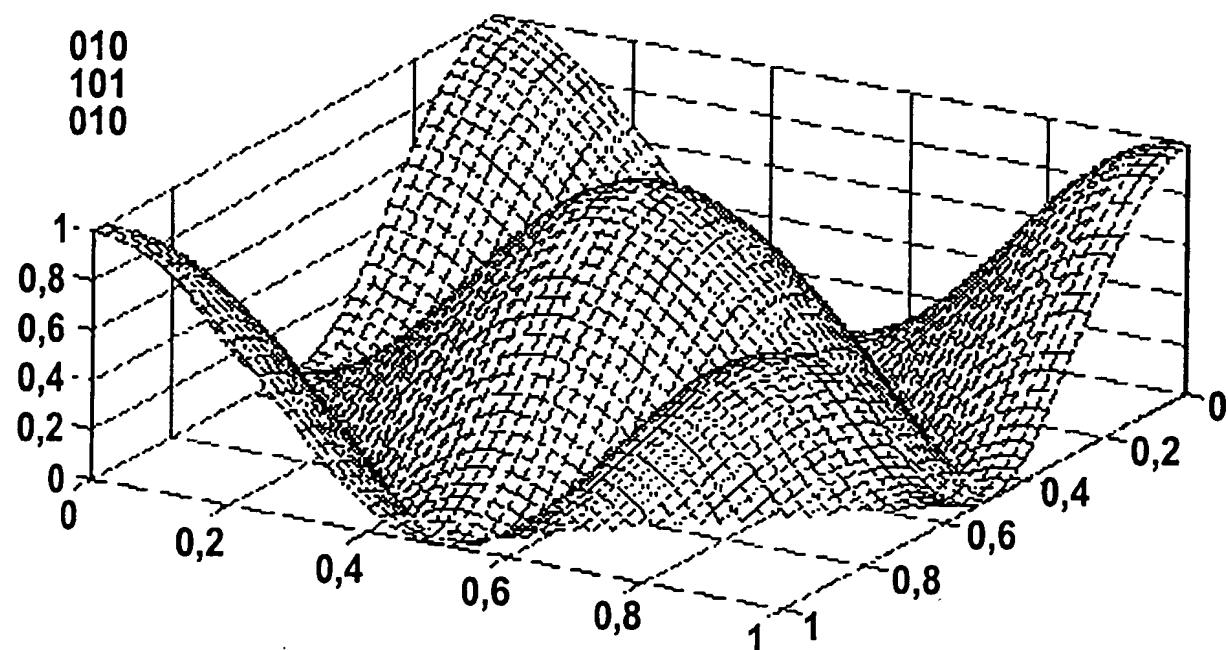
1	2	1
2	4	2
1	2	1

$$/4=R/B$$

see figure 63



= centre value

**Fig. 34**

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Fig. 35

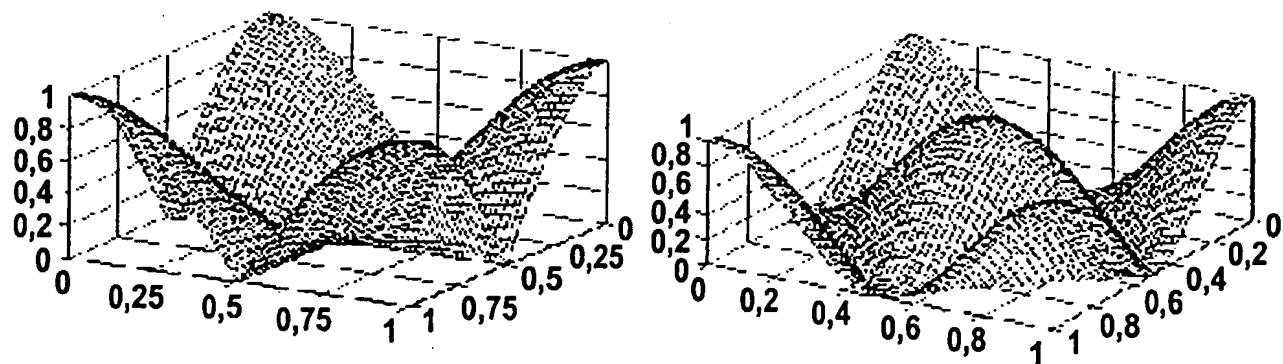


Fig. 36

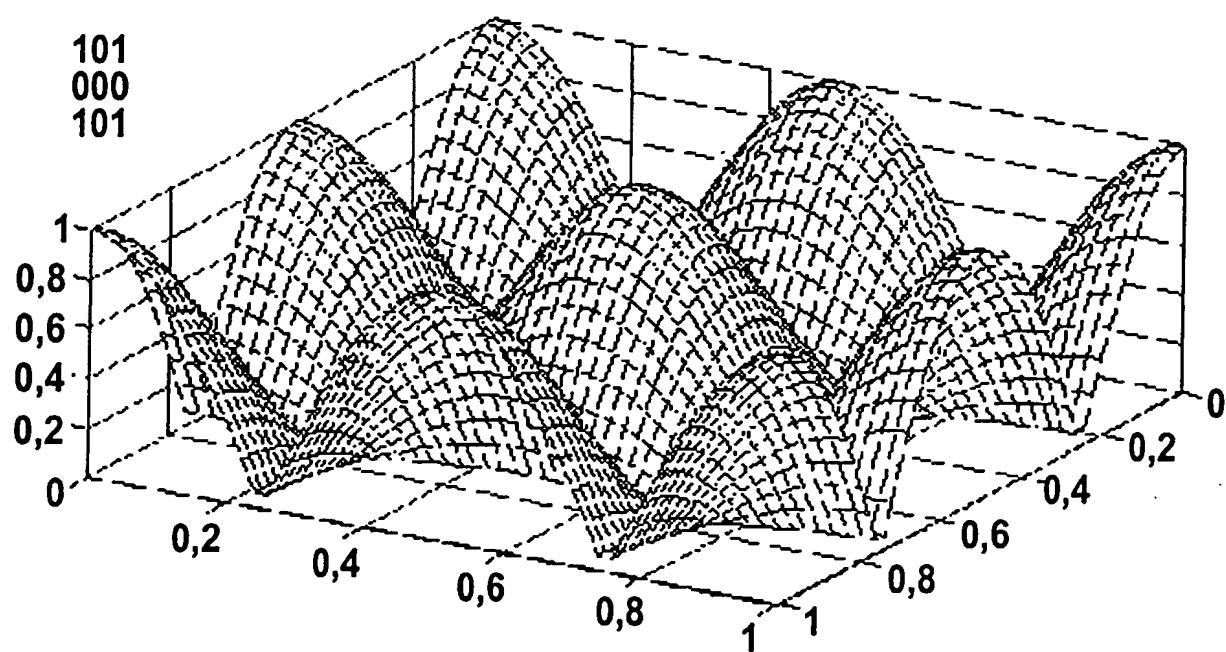


Fig. 37

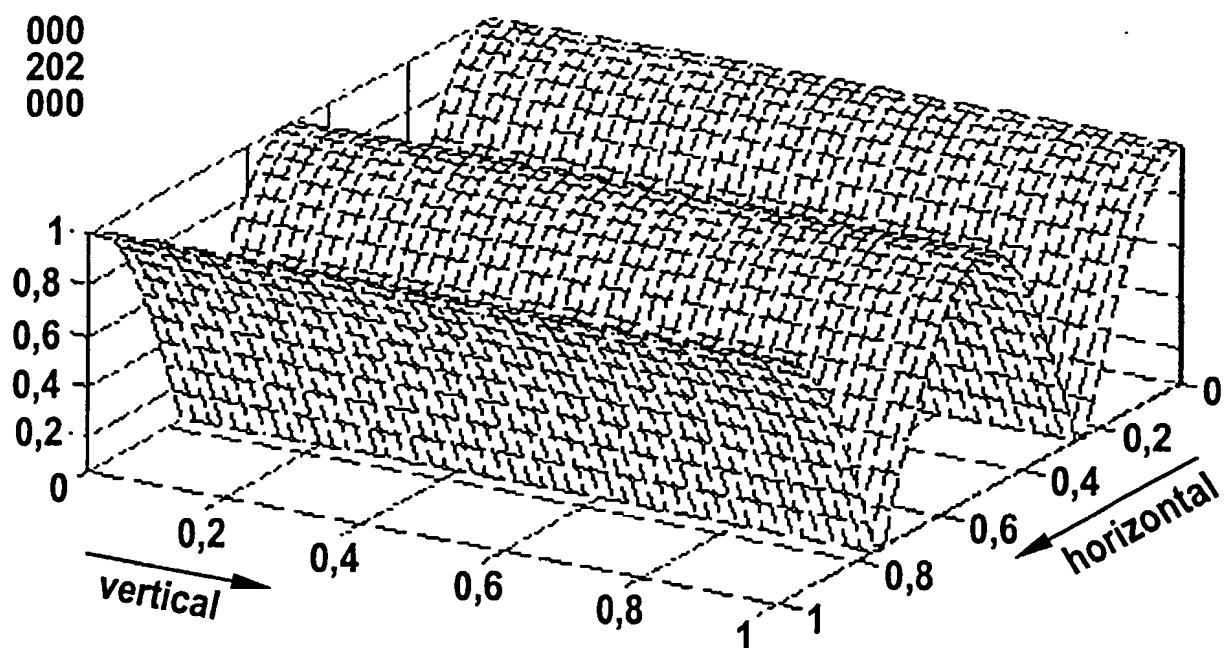


Fig. 38

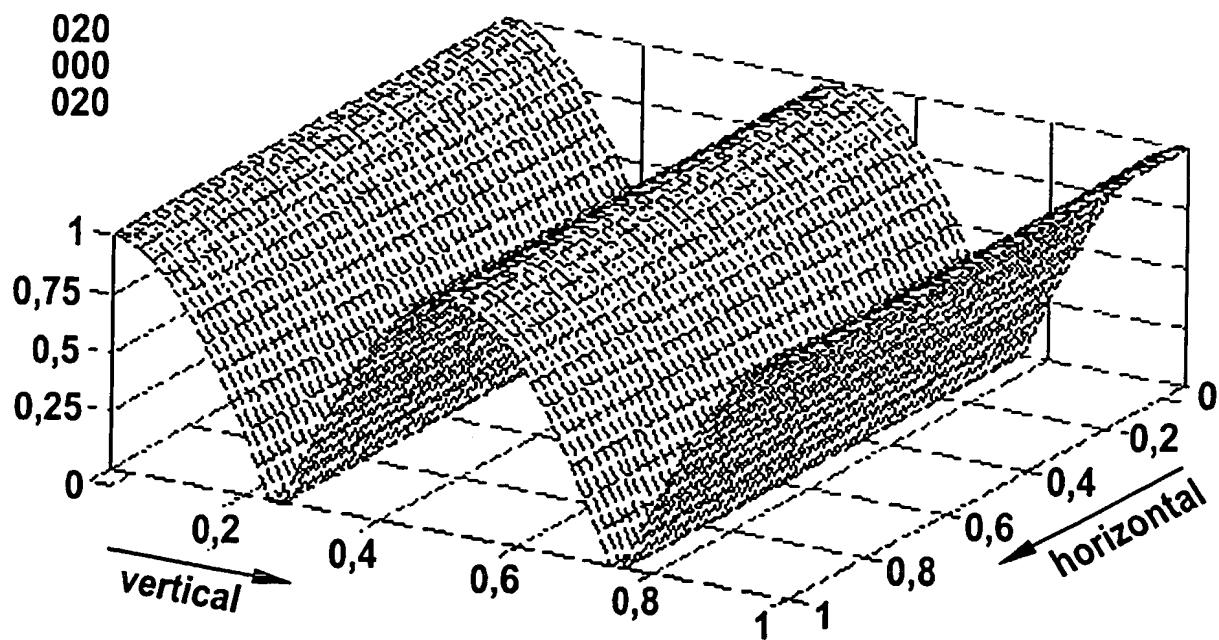
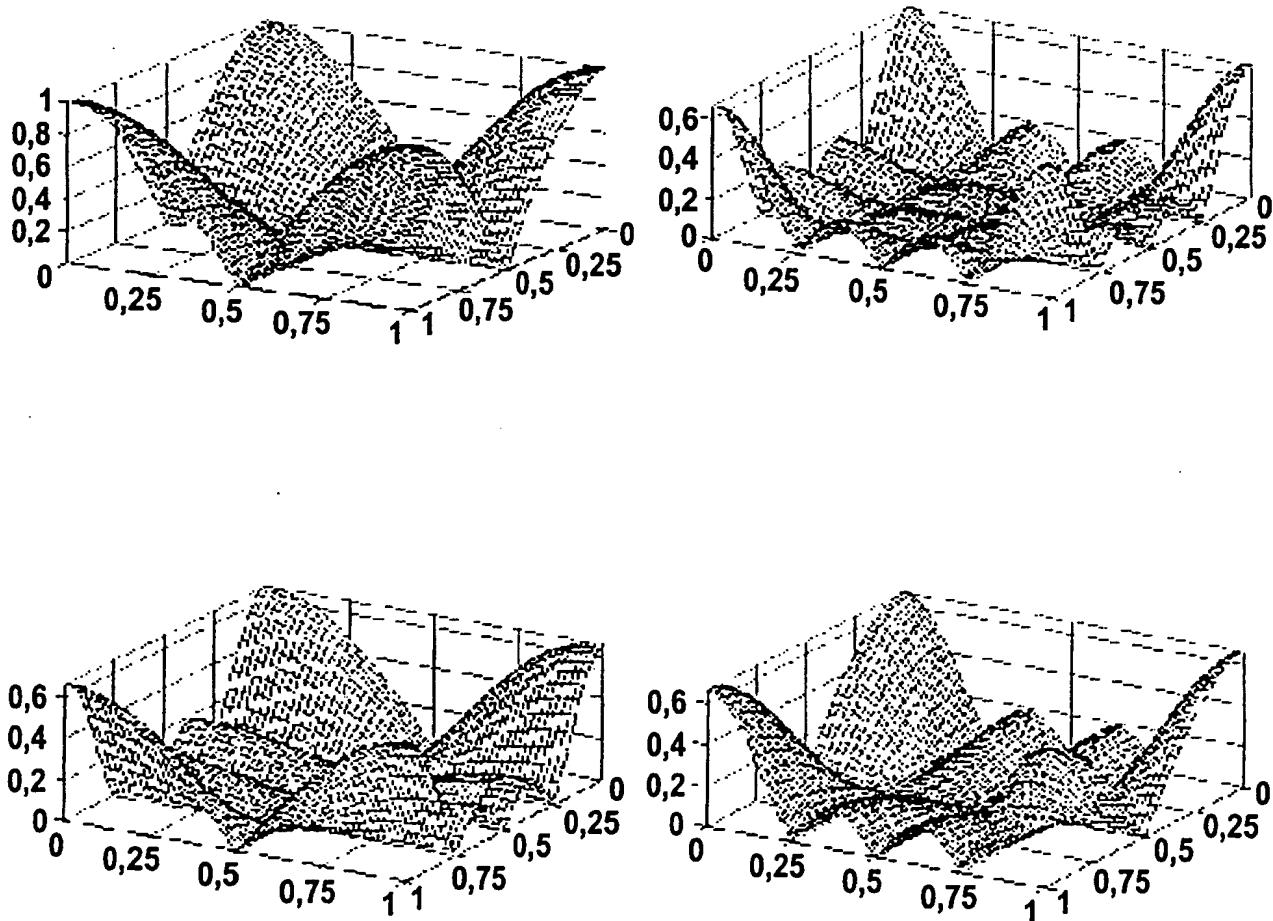


Fig. 39



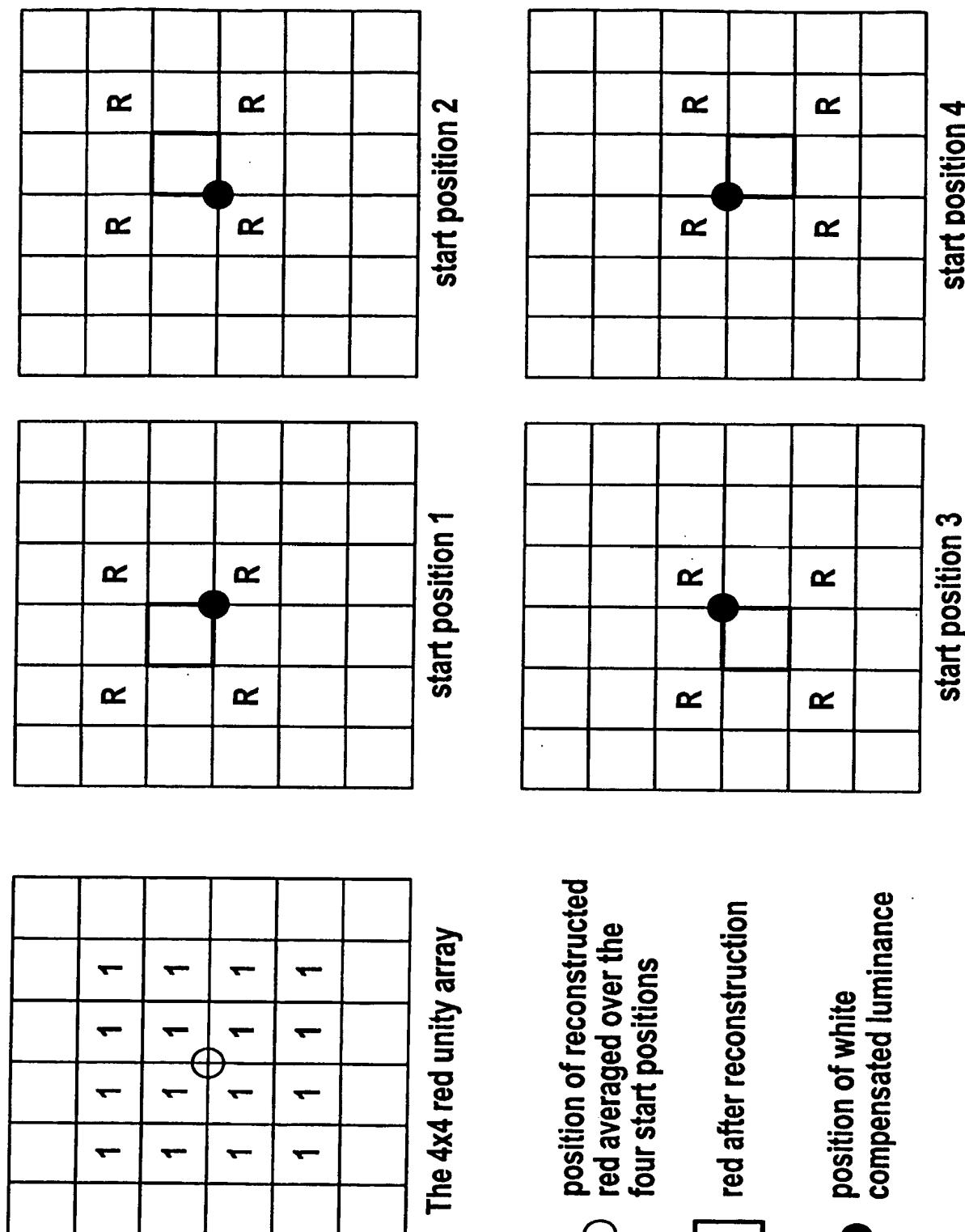


Fig. 40

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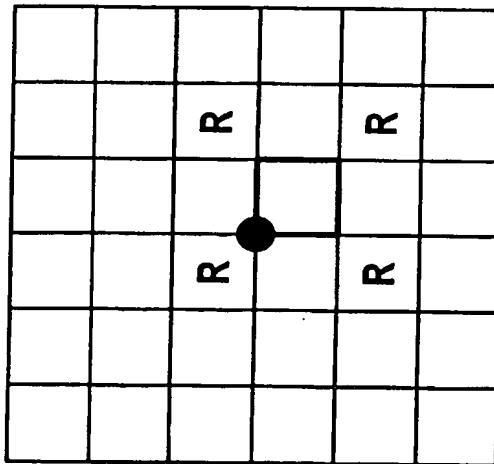
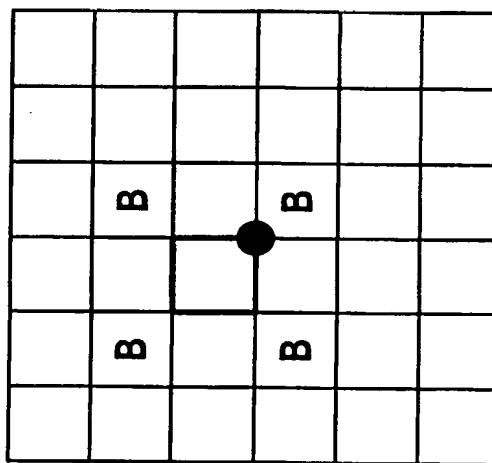
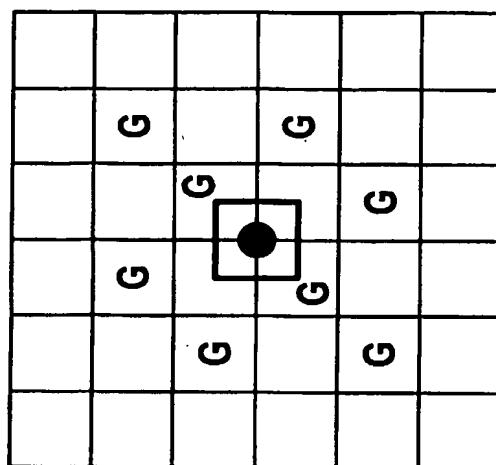


Fig. 41

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	1	1						
1	2	2	1					
1	2	2	1					
1	2	2	1					
1	1							

coefficients of total red filter

	0	0	1	0				
0	0	0	0	0				
1	0	2	0					
0	0	0	0					

start position 1

	0	1	0	0				
0	0	0	0	0				
0	2	0	0	1				
0	0	0	0	0				

start position 2

	0	0	0	0				
0	2	0	0	1				
0	0	0	0	0				
0	1	0	0	0				

start position 4

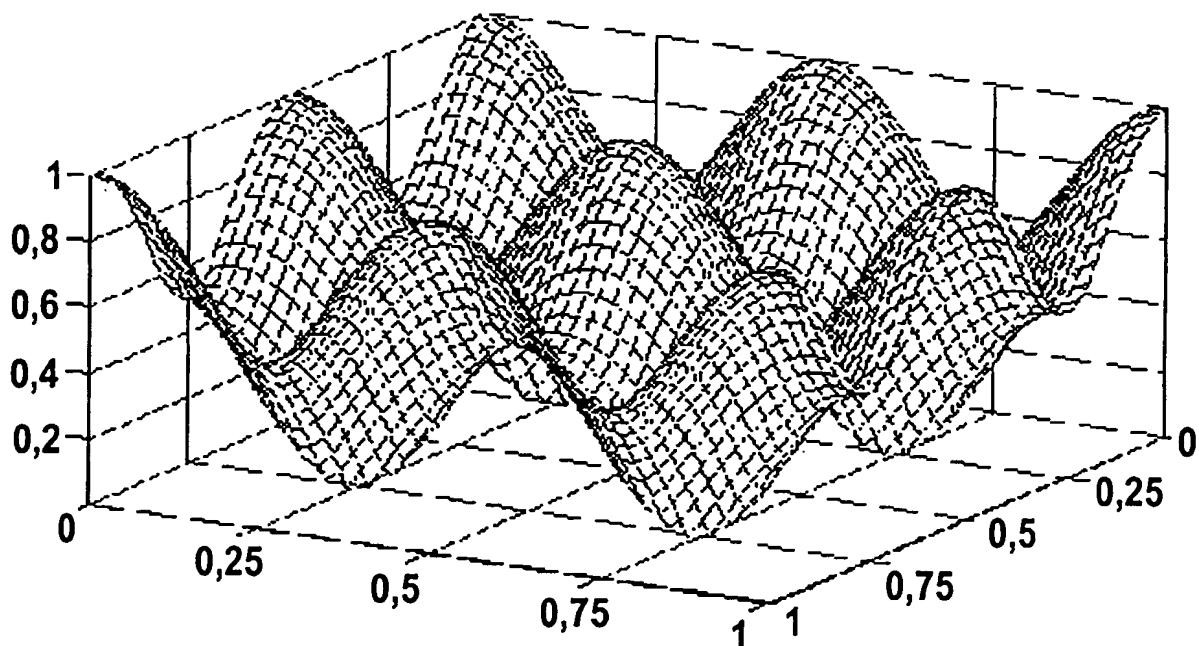
	0	0	0	0				
1	0	2	0					
0	0	0	0					
0	0	1	0					

start position 3

- start position of red
- red after reconstruction

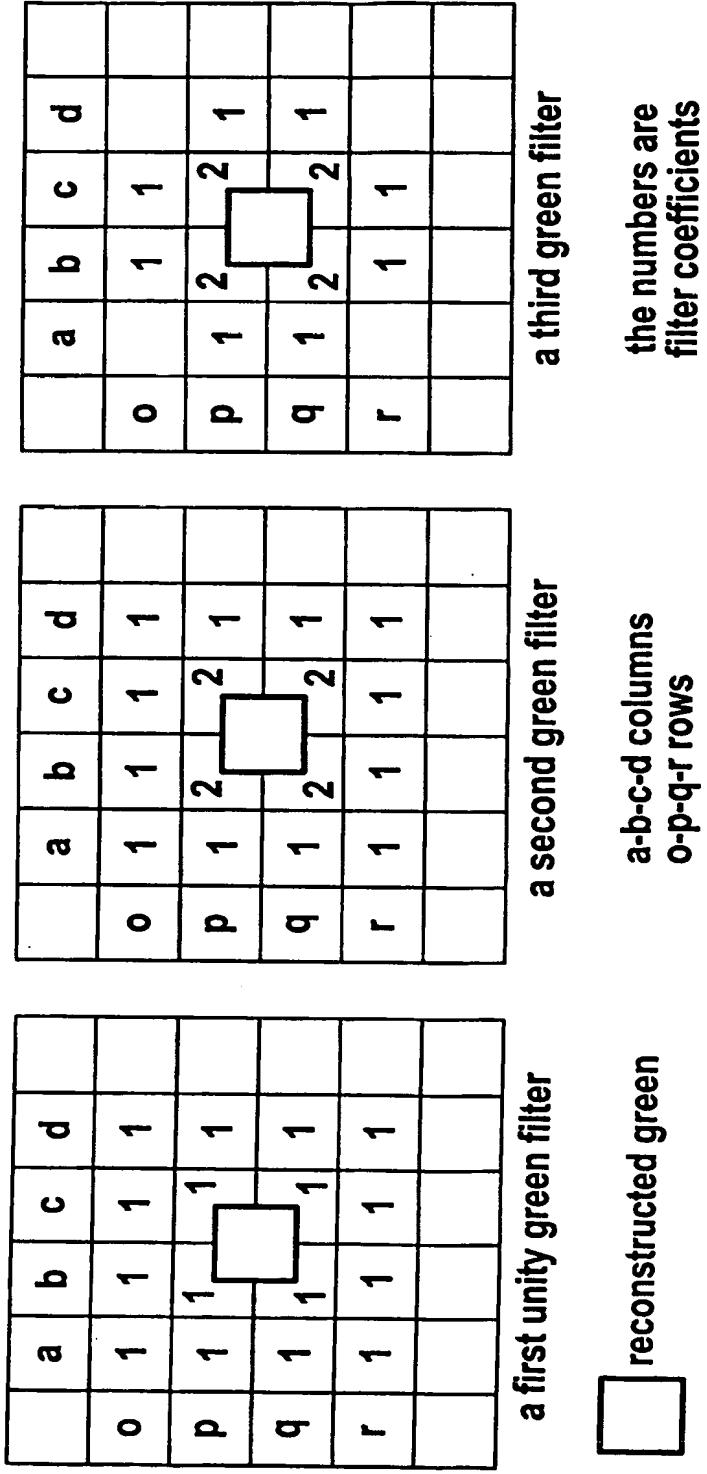
Fig. 42

Fig. 43



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Fig. 44



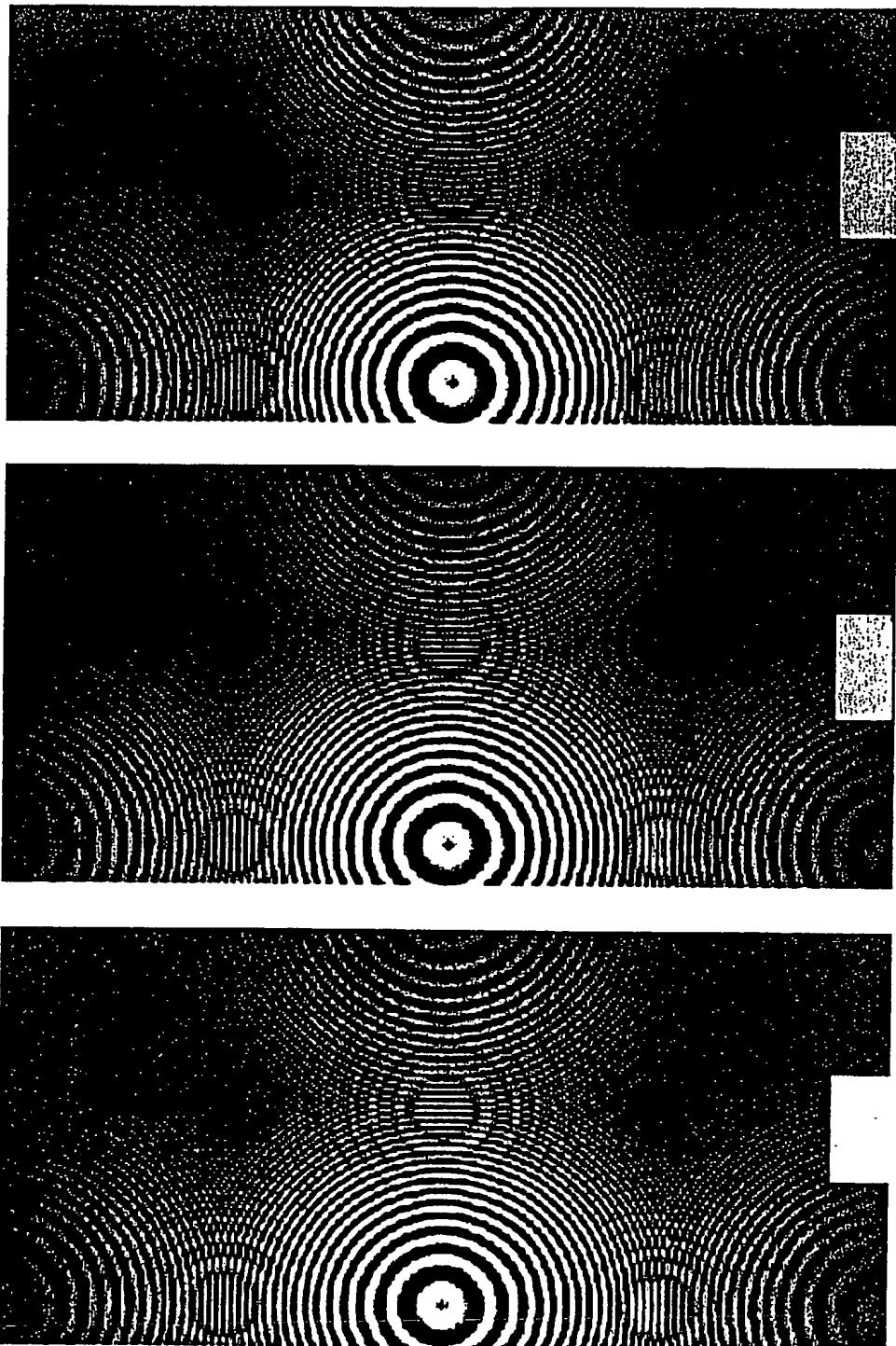
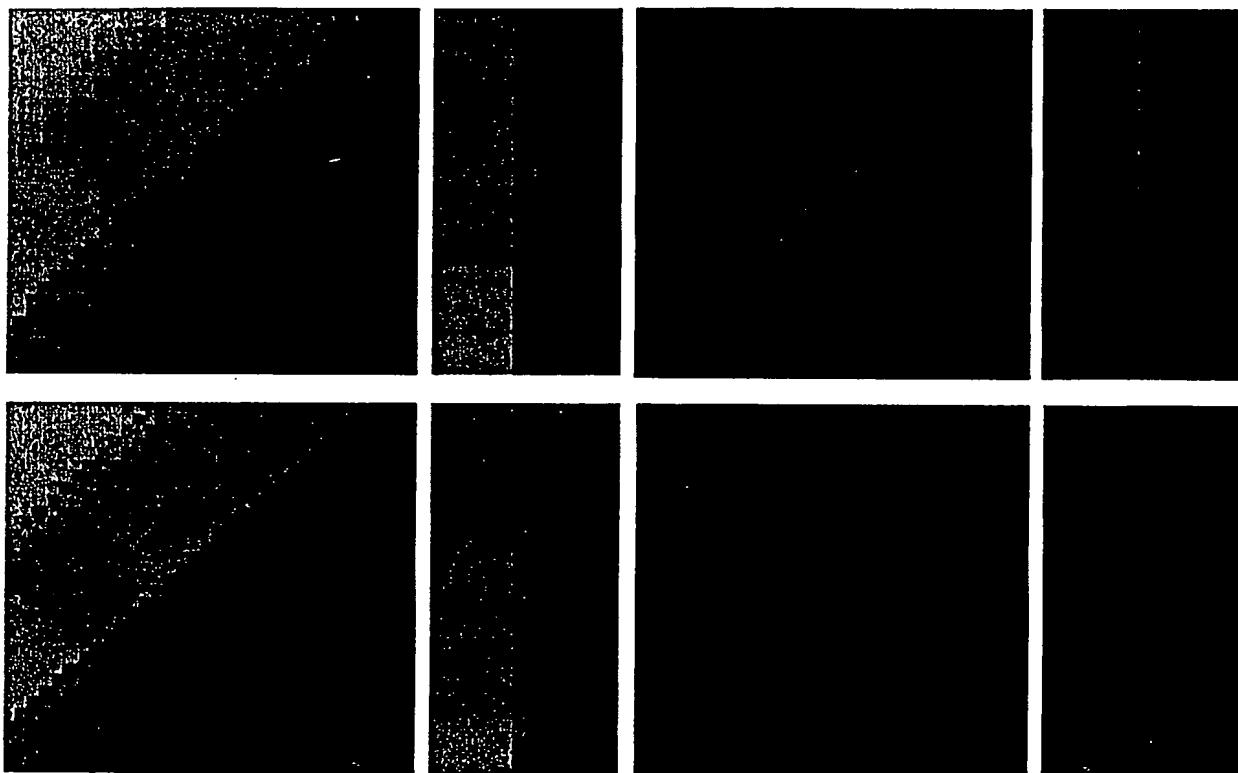
**Fig. 45**

Fig. 46



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	a	b	c	d	e	f
o	0	0	3	0	3	0
p	0	0	0	0	0	0
q	0	6	0	0	3	0
r	0	0	0	0	0	0
s	0	6	0	6	0	3
t	0	0	0	0	0	0

coefficients of total red filter

Fig. 47

0	0	3	0	3	0	0
3	6	6	6	6	3	0
3	6	6	6	6	3	0
3	6	6	6	6	3	0
3	6	6	6	6	3	0
3	6	6	6	6	3	0
0	3	3	3	3	0	0

start position 1

start position 2

0	0	0	0	0	0	0
0	6	0	6	0	3	0
3	0	6	0	6	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

start position 3

start position 4

start position of red



red after reconstruction



Fig. 48

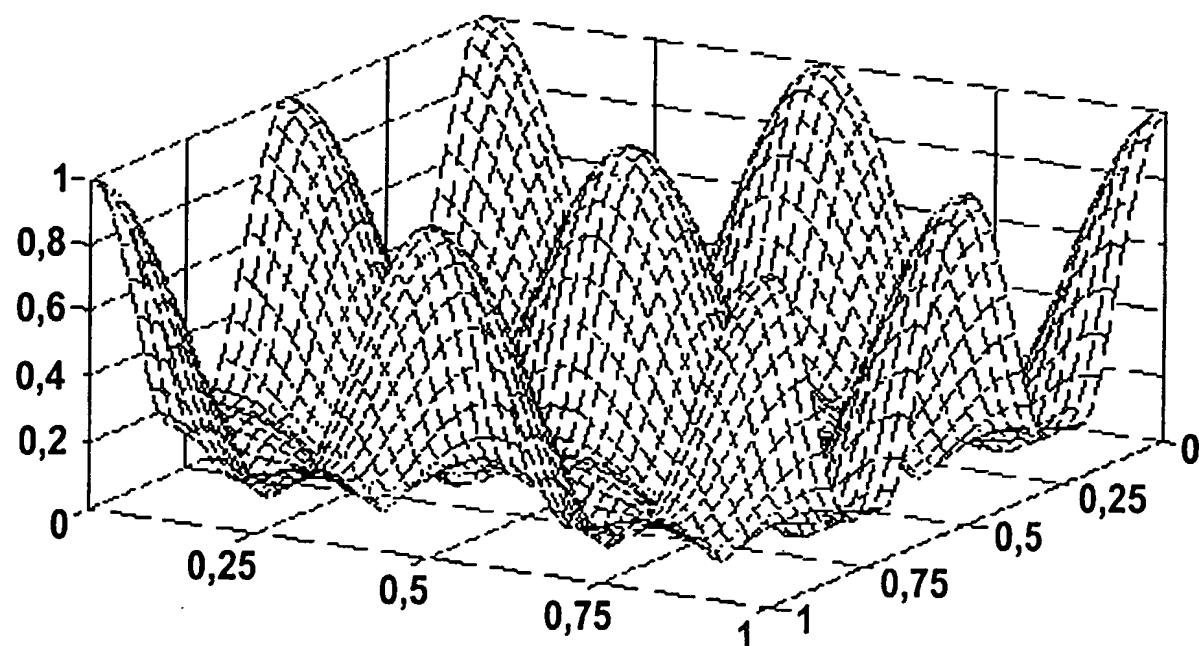
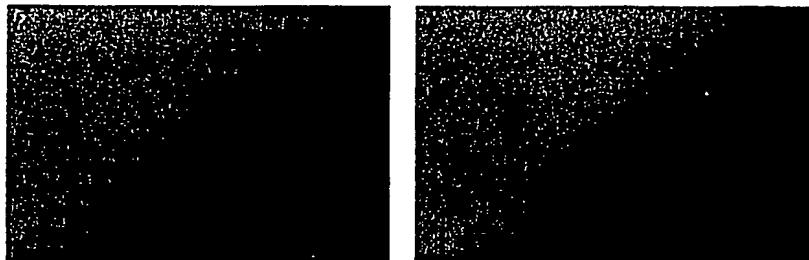


Fig. 49

1	1	2	2	1	1
1	1	2	2	1	1
2	2	4	4	2	2
2	2	4	4	2	2
1	1	2	2	1	1
1	1	2	2	1	1

**Fig. 50**



**Fig. 51**

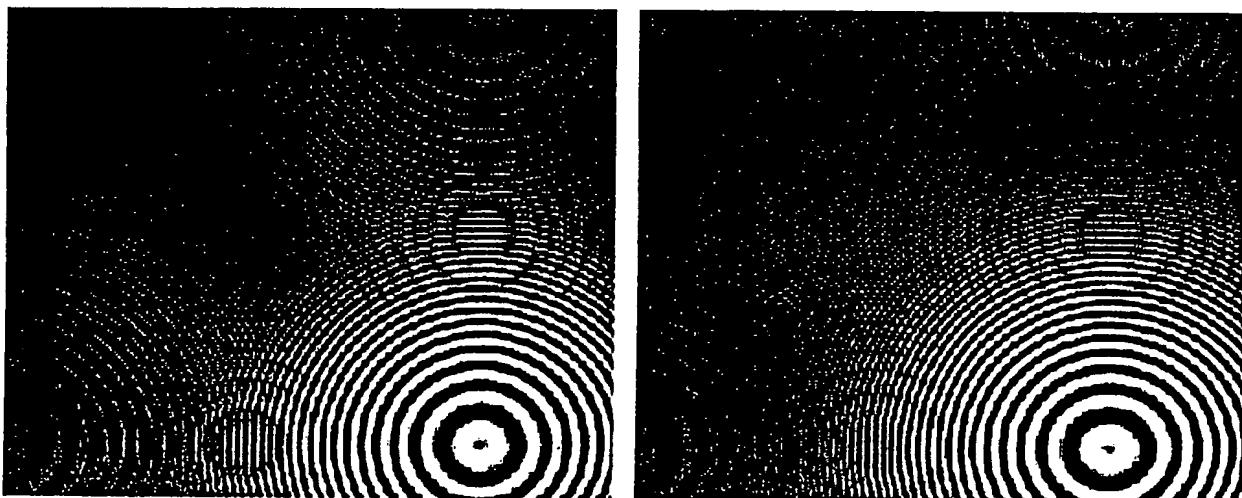


Fig. 52

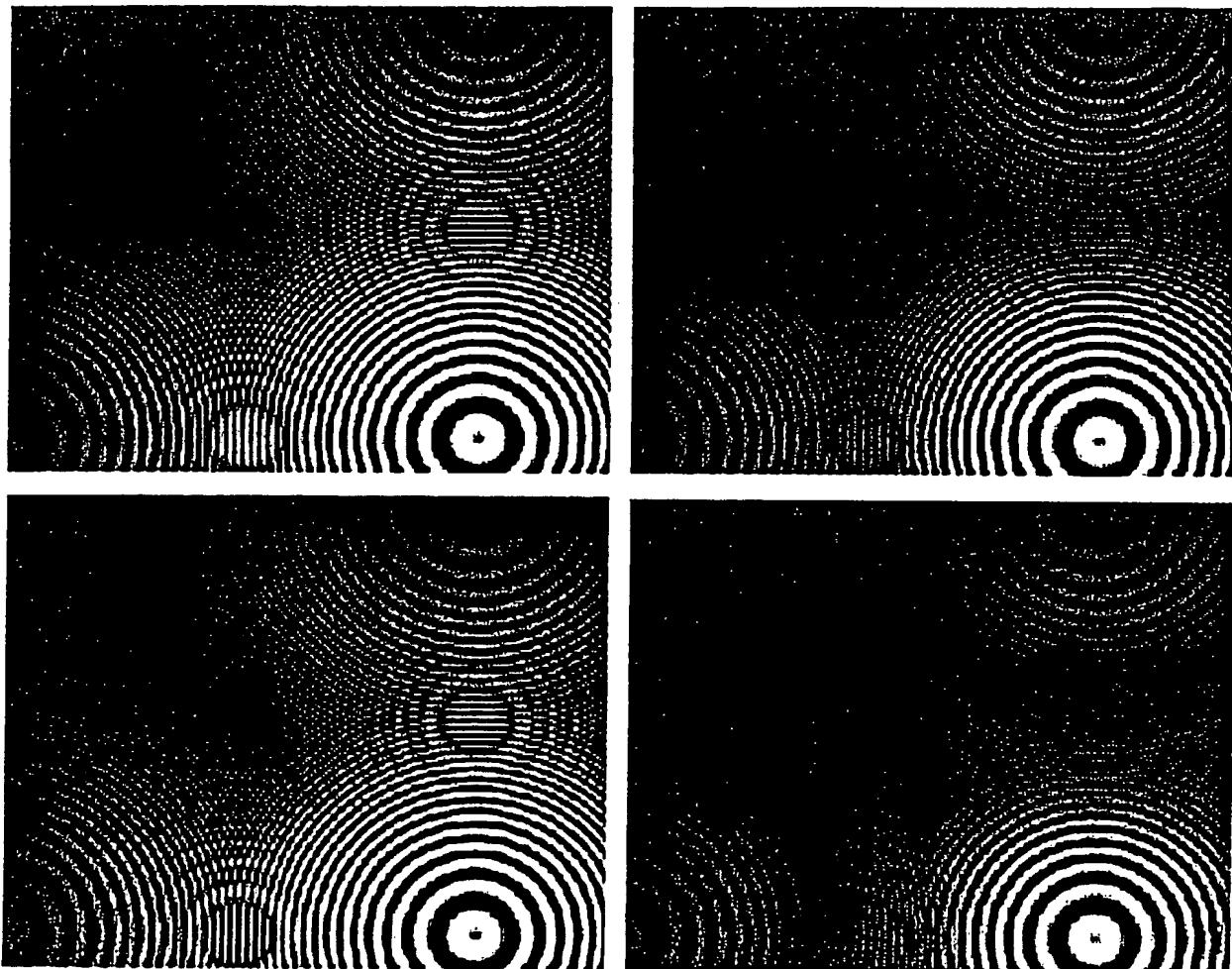
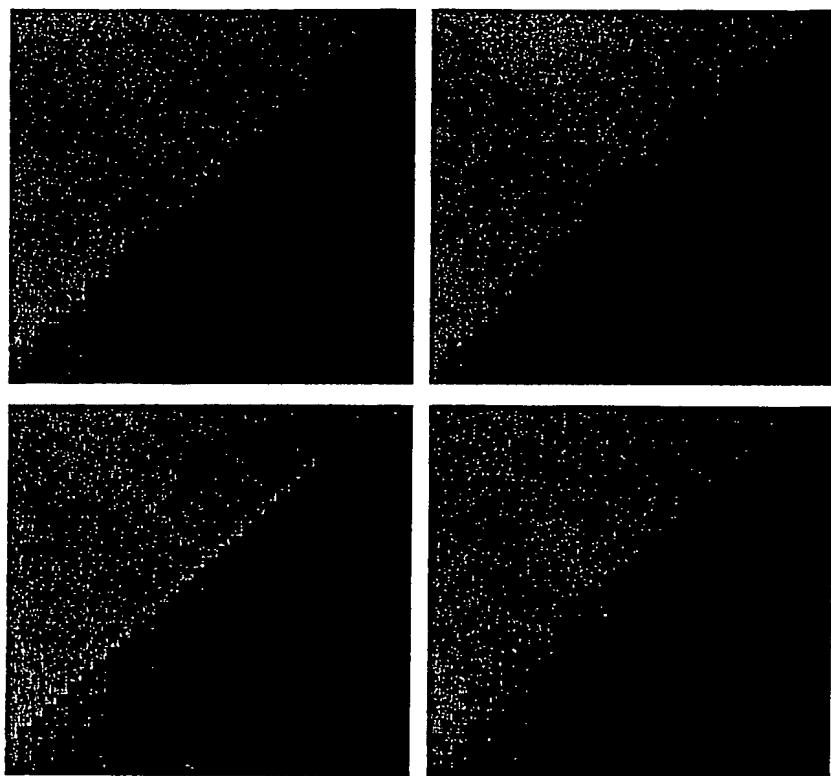


Fig. 53



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